

Project No. 1251-100
Crude Oil Tank Farms Project, Agrood Area 30 (Module-1)



System ID	030-TE-002
System Description	Closed Circuit Television System

Sr.	Pre-Commissioning and Commissioning Dossier Index	Applicable (Yes/No)
1	Mechanical Completion Certificate (MCC)	
2	Ready for Startup Certificate (RFSU)	
3	System Punch Lists	
4	System Limits Marked Up P&ID	
5	System Index	
6	Piping Pre-Commissioning	
	6.01) Piping Test Packs	
	6.02) Piping Pre-commissioning Check Lists	
7	Piping Commissioning	
	7.01) Service Test, GLT, CLT and N2 Purging Certificates	
	7.02) Piping Commissioning Check Lists	
Sr.	Pre-Commissioning and Commissioning Dossier Index	Applicable (Yes/No)
8	Mechanical Pre-Commissioning	
	8.01) System Mechanical Index	
	8.02) Equipment Drawings	
	8.03) Equipment Datasheets	
	8.04) Boxing-up Certificates	

	8.05) Grouting Certificates	
	8.06) Pre-Alignment Certificates	
	8.07) Mechanical Pre-Commissioning Checklists	
9	Mechanical Commissioning	
	9.01) Final Alignment Certificates	
	9.02) Motor Solo Run Certificates	
	9.03) Mechanical Run Test (MRT) Certificates	
	9.04) Mechanical Commissioning Checklists	
	9.05) Mechanical Supplier Check Lists & Reports	
10	Instrumentation Pre-Commissioning	
	10.01) System Instrument Index	
	10.02) Instrument Data Sheets	
	10.03) Instrument Cable Schedule	
	10.04) System Instrumentation Wiring Diagram	
	10.05) Hook-up Drawing (Mechanical & Pneumatic)	
	10.06) Instruments Cables Schedule	
	10.07) Instruments Cables Laying Certificates	
	10.08) Instruments Cables Termination Certificates	
	10.09) Instruments Cables Testing Certificates	
	10.10) Instruments Calibration Certificates	
	10.11) Instrument Loop Checks Certificates	
	10.12) Instrumentation Pre-Commissioning Check Lists	
	10.13) Instrumentation Supplier Check Lists & Reports	
11	Instrumentation Commissioning	
	11.01) Instrumentation Function Test Certificates	
	11.02) Instrumentation Supplier Check Lists & Reports	
Sr.	Pre-Commissioning and Commissioning Dossier Index	Applicable (Yes/No)
12	Electrical Pre-Commissioning	
	12.01) System Electrical Index	
	12.02) Electrical Drawings	
	12.03) Motor Datasheets	
	12.04) Electrical Cables Schedule	
	12.05) Electrical Cables Laying Certificates	
	12.06) Electrical Cables Testing Certificates	
	12.07) Electrical Cables Termination Certificates	
	12.08) FAT Reports & Certificates	
	12.09) SAT Reports & Certificates	
	12.10) Electrical Pre-Commissioning Check Lists	
	12.11) Electrical Supplier Check Lists & Reports	

13	Electrical Commissioning	
	13.01) Electrical -Commissioning Check Lists	
	13.02) Electrical Supplier Check Lists & Reports	
14	Red Marked-up Drawings	
	14.01) P&ID	
	14.02) Instrumentation Drawings	
	14.03) Electrical Drawings	



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

1-Mechanical Completion Certificate (MCC)

SYSTEM MECHANICAL COMPLETION CERTIFICATE (MCC)

PROJECT TITLE : CRUDE OIL TANK FARM PROJECT (AGROOD AREA)

PROJECT No : 01251-100

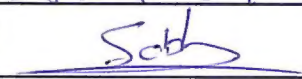
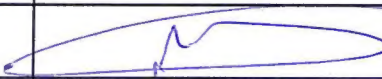
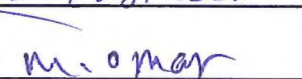
SYSTEM NAME : CCTV System

SYSTEM ID : 030-TE-002

THIS IS TO CERTIFY THAT:

- THE ABOVE SYSTEM HAS BEEN FABRICATED, ERECTED, INSTALLED AND TESTED TO THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS, THE APPLICABLE CODES AND STANDARDS.
- ALL PRE-COMMISSIONING RELEVANT ACTIVITIES, TESTS, INSPECTIONS AND CHECKS HAVE BEEN CARRIED OUT FOR THIS SYSTEM AND FOUND ACCEPTABLE.
- Q/C DOCUMENTATION OF THE ABOVE SYSTEM HAS BEEN AUDITED BY THE CUSTOMER SITE QUALITY CONTROL AND FOUND COMPLETED.
- ALL PUNCH LIST ITEMS CATEGORY (A) IN THIS SUBSYSTEM WERE CLEARED.
- THIS SYTEM IS MECHANICALLY COMPLETED ON THE DATE AND READY FOR COMMISSIONING (RFC) WITH THE FOLLOWING EXCEPTIONS.

EXCEPTIONS :

COMPANY	PETROJET	ENPPI	PMC
NAME	Sobhy Seleem	Mohamed Abbas	mohamed omor
TITLE	Ed QC Engineer	Const. Mgr.	I. Engineer
SIGNATURE			
DATE	10/11/2021		



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

2- Ready for Startup Certificate (RFSU)

READY FOR START UP CERTIFICATE

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT (AGROOD-30)

PROJECT No. : 1251-100

SYSTEM /AREA /PLANT : Closed Circuit Television System


SYSTEM /AREA /PLANT No. : 030-TE-002

THIS IS TO CERTIFY THAT:

- THE MENTIONED SYSTEM /AREA /PLANT IS READY FOR START UP WHERE ALL MECHANICAL WORKS, PRECOMMISSIONING AND COMMISSIONING ACTIVITIES HAVE BEEN SUCCESSFULLY COMPLETED.
- MECHANICAL COMPLETION CERTIFICATE(S) FOR THE MENTIONED SYSTEM / AREA / PLANT HAVE BEEN SIGNED.
- ISSUANCE OF THIS READY FOR START UP CERTIFICATE(S) SHALL NOT RELIEVE CONTRACTOR(S) FROM THEIR OBLIGATIONS TO COMPLETE THE REMAINING SYSTEMS NOR FROM THEIR WARRANTY OBLIGATIONS AND OTHER PROVISIONS OF THE CONTRACT.
- THE FOLLOWING EXCEPTIONS AGREED TO BE CLEARED AFTER START UP AND WILL NOT PREVENT START UP ACTIVITIES.

EXCEPTIONS :

- All cctv system cables shall be installed (indoor & outdoor)
- Guard House work station is not installed and tested yet till its construction is finished
- All licenses (windows of cameras) to be submitted to client
- cctv workstation desk shall be submitted in the security room and guard room as well.

COMPANY	ENPPI	PPC
NAME	Ahmed El Shaker	M. Omar
TITLE	Commissioning Manager	i. engineer
SIGNATURE		M. Omar
DATE	2-11-2021	2/11/2021



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

3- System Punch Lists

PROJECT TITLE : CRUDE OIL TANK FARM PROJECT (AGROOD AREA)

PROJECT NUMBER : 01251-100

DISCIPLINE: process *Telecomm*

SYSTEM NAME: Closed Circuit Television System


SYSTEM ID: 030-TE-002

SUB-SYSTEM NAME:

SUB-SYSTEM ID:

[illegible]

CAT: CATEGORY(A,B,C) ,ACTION BY: (ENPPI,CONST.CONTRACTOR,SUPPLIER.....) , DISP: DESCIPLINE(PIP,MECH,ELECT,INST.....)

COMPANY	PTJ	ENPPI	PMC
NAME	Sobhy Seleem		
SIGN.	<u>Sobh</u>		m. om ar
DATE	6/1/2021		



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

4- System Limits Marked Up P&ID



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

5- System Index



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

6- Piping Pre-Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

6.01- Piping Test Packs



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

6.02- Piping Pre-commissioning Check Lists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

7- Piping Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

7.01- Service Test, GLT, CLT and N2 Purging Certificates



Project: 01251-100
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System ID	030-TE-002
System Description	Closed Circuit Television System

7.02- Piping Commissioning Check Lists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

8- Mechanical pre-Commissioning



Project: 01251-100
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System ID	030-TE-002
System Description	Closed Circuit Television System

8.01- System Mechanical Index



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

8.02- Equipment Drawings



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

8.03- Equipment Datasheets



Project: 01251-100
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System ID	030-TE-002
System Description	Closed Circuit Television System

8.04- Boxing-up Certificates



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System ID	030-TE-002
System Description	Closed Circuit Television System

8.05- Grouting Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

8.06- Pre-Alignment Certificates



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CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

8.07- Mechanical Pre-Commissioning Checklists



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CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

9- Mechanical Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

9.01- Final Alignment Certificates



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System ID	030-TE-002
System Description	Closed Circuit Television System

9.02- Motor Solo Run Certificates



Project: 01251-100
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System ID	030-TE-002
System Description	Closed Circuit Television System

9.03- Mechanical Run Test (MRT) Certificates



Project: 01251-100
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System ID	030-TE-002
System Description	Closed Circuit Television System

9.04- Mechanical Commissioning Checklists



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System ID	030-TE-002
System Description	Closed Circuit Television System

9.05- Mechanical Supplier Check Lists & Reports



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System ID	030-TE-002
System Description	Closed Circuit Television System

10- Instrumentation Pre-Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

10.01- System Instrument Index



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CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

10.02- Instrument Data Sheets



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

10.03- Instrument Cable Schedule



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

10.04- System Instrumentation Wiring Diagram



Project: 01251-100
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System ID	030-TE-002
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10.05- Hook-up Drawing (Mechanical & Pneumatic)



Project: 01251-100
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System ID	030-TE-002
System Description	Closed Circuit Television System

10.06- Instruments Cables Schedule



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CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

10.07- Instruments Cables Laying Certificates



Project: 01251-100
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System ID	030-TE-002
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10.08- Instruments Cables Termination Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

10.09- Instruments Cables Testing Certificates



Project: 01251-100
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System ID	030-TE-002
System Description	Closed Circuit Television System

10.10- Instruments Calibration Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

10.11- Instrument Loop Checks Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-TE-002
System Description	Closed Circuit Television System

10.12- Instrumentation Pre-Commissioning Check Lists

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-01

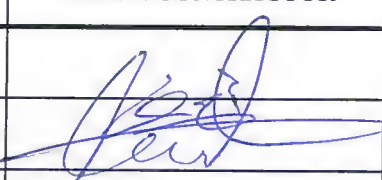
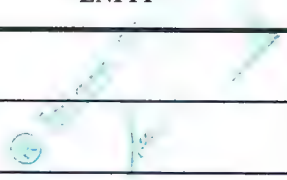
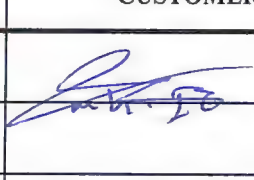
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	—	
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	—	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-01

AREA : 30

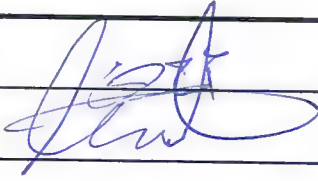

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-02

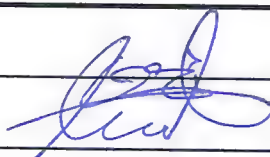


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	✓	
2	Check cables are correctly fixed to trays and supports.	✓	
3	Check cables through walls or ceilings are correctly sealed.	✓	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	✓	
5	Check identification tags of all conductors and wires.	✓	
6	Check connection, tightness, termination and joints of cables are correctly executed.	✓	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	✓	
8	Check that the bending radius of cables is not less than the minimum established.	✓	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	✓	
10	Tie wraps to be used for cable and wires fixation.	✓	
11	Cable connections shall be torque tested.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-ccTV-CJB-02

AREA : 30

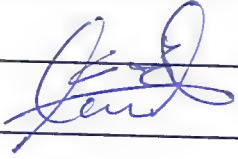

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	NIA	
13	Trench markers to be checked w.r.t approved documents.	NIA	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	✓	
15	Inspect cable laid in trenches, segregation and protection.	NIA	
16	Cables to be tested (continuity/insulation resistance). (*)	✓	
17	Equipment test report and inspection certificate to be-checked.	✓	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	✓	
19	Calibration test certificate of testing equipment to be checked.	✓	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-03

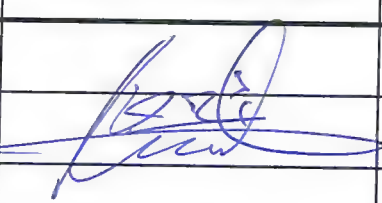

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	—	
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	✓	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-03

AREA : 30

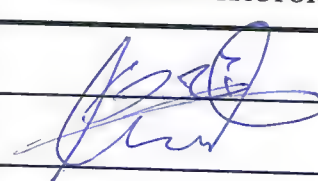

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	✓	
19	Calibration test certificate of testing equipment to be checked.	✓	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-04

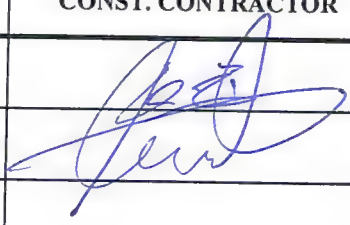
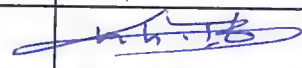
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	/	
2	Check cables are correctly fixed to trays and supports.	/	
3	Check cables through walls or ceilings are correctly sealed.	/	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	/	
5	Check identification tags of all conductors and wires.	/	
6	Check connection, tightness, termination and joints of cables are correctly executed.	/	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	/	
8	Check that the bending radius of cables is not less than the minimum established.	/	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	/	
10	Tie wraps to be used for cable and wires fixation.	/	
11	Cable connections shall be torque tested.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-ccTV-CJB-04

AREA : 30

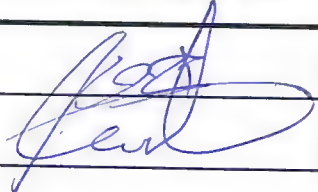

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	✓	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-05

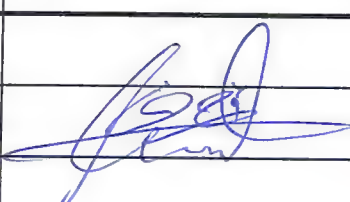
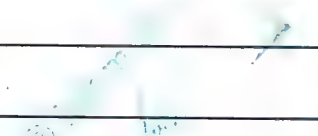

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	/	
2	Check cables are correctly fixed to trays and supports.	/	
3	Check cables through walls or ceilings are correctly sealed.	/	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	/	
5	Check identification tags of all conductors and wires.	/	
6	Check connection, tightness, termination and joints of cables are correctly executed.	/	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	/	
8	Check that the bending radius of cables is not less than the minimum established.	/	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	/	
10	Tie wraps to be used for cable and wires fixation.	/	
11	Cable connections shall be torque tested.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCV-CVB-05

AREA : 30

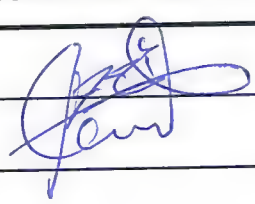

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	NIA	
13	Trench markers to be checked w.r.t approved documents.	NIA	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	/	
15	Inspect cable laid in trenches, segregation and protection.	NIA	
16	Cables to be tested (continuity/insulation resistance). (*)	/	
17	Equipment test report and inspection certificate to be-checked.	/	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	/	
19	Calibration test certificate of testing equipment to be checked.	/	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-06

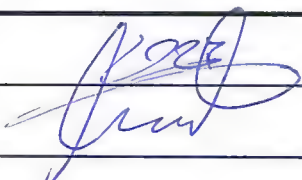

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	✓	
2	Check cables are correctly fixed to trays and supports.	✓	
3	Check cables through walls or ceilings are correctly sealed.	✓	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	✓	
5	Check identification tags of all conductors and wires.	✓	
6	Check connection, tightness, termination and joints of cables are correctly executed.	✓	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	✓	
8	Check that the bending radius of cables is not less than the minimum established.	✓	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	✓	
10	Tie wraps to be used for cable and wires fixation.	✓	
11	Cable connections shall be torque tested.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CAB-06

AREA : 30

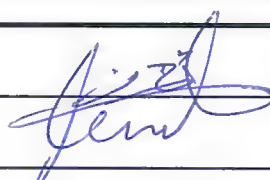
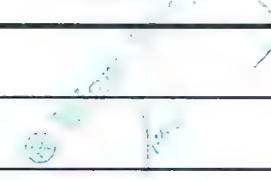

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-07

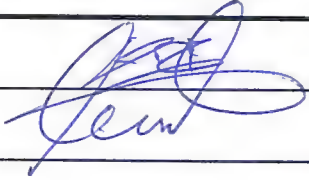
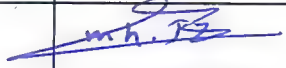
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	/	
2	Check cables are correctly fixed to trays and supports.	/	
3	Check cables through walls or ceilings are correctly sealed.	/	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	/	
5	Check identification tags of all conductors and wires.	/	
6	Check connection, tightness, termination and joints of cables are correctly executed.	/	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	/	
8	Check that the bending radius of cables is not less than the minimum established.	/	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	/	
10	Tie wraps to be used for cable and wires fixation.	/	
11	Cable connections shall be torque tested.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CTV-CAB-07

AREA : 30

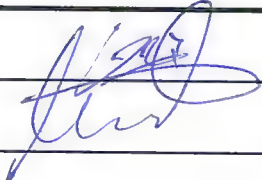


REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-08

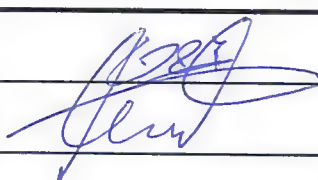


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	✓	
2	Check cables are correctly fixed to trays and supports.	✓	
3	Check cables through walls or ceilings are correctly sealed.	✓	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	✓	
5	Check identification tags of all conductors and wires.	✓	
6	Check connection, tightness, termination and joints of cables are correctly executed.	✓	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	✓	
8	Check that the bending radius of cables is not less than the minimum established.	✓	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	✓	
10	Tie wraps to be used for cable and wires fixation.	✓	
11	Cable connections shall be torque tested.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CTV-CB-08

AREA : 30

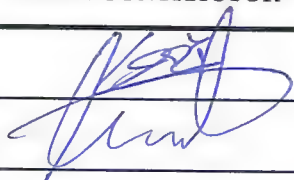

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	✓	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	✓	
17	Equipment test report and inspection certificate to be-checked.	✓	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	✓	
19	Calibration test certificate of testing equipment to be checked.	✓	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-09




AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	✓	
2	Check cables are correctly fixed to trays and supports.	✓	
3	Check cables through walls or ceilings are correctly sealed.	✓	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	✓	
5	Check identification tags of all conductors and wires.	✓	
6	Check connection, tightness, termination and joints of cables are correctly executed.	✓	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	✓	
8	Check that the bending radius of cables is not less than the minimum established.	✓	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	✓	
10	Tie wraps to be used for cable and wires fixation.	✓	
11	Cable connections shall be torque tested.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCV-CJB-09

AREA : 30




REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	/	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	/	
17	Equipment test report and inspection certificate to be-checked.	/	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	/	
19	Calibration test certificate of testing equipment to be checked.	/	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-010

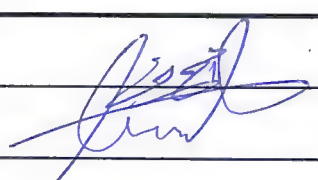


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	/	
2	Check cables are correctly fixed to trays and supports.	/	
3	Check cables through walls or ceilings are correctly sealed.	/	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	/	
5	Check identification tags of all conductors and wires.	/	
6	Check connection, tightness, termination and joints of cables are correctly executed.	/	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	/	
8	Check that the bending radius of cables is not less than the minimum established.	/	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	/	
10	Tie wraps to be used for cable and wires fixation.	/	
11	Cable connections shall be torque tested.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-10

AREA : 30

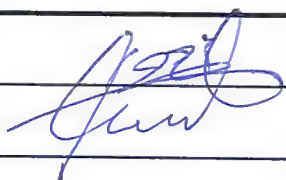

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-011

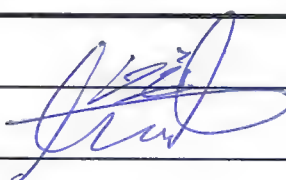

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	/	
2	Check cables are correctly fixed to trays and supports.	/	
3	Check cables through walls or ceilings are correctly sealed.	/	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	/	
5	Check identification tags of all conductors and wires.	/	
6	Check connection, tightness, termination and joints of cables are correctly executed.	/	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	/	
8	Check that the bending radius of cables is not less than the minimum established.	/	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	/	
10	Tie wraps to be used for cable and wires fixation.	/	
11	Cable connections shall be torque tested.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-C5B-11

AREA : 30

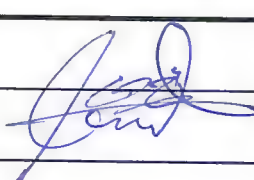


REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-012

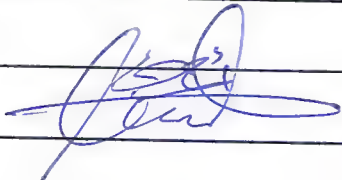


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	—	
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	—	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-12

AREA : 30

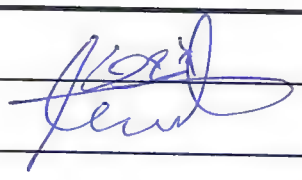

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-013

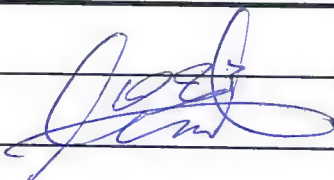


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	✓	
2	Check cables are correctly fixed to trays and supports.	✓	
3	Check cables through walls or ceilings are correctly sealed.	✓	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	✓	
5	Check identification tags of all conductors and wires.	✓	
6	Check connection, tightness, termination and joints of cables are correctly executed.	✓	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	✓	
8	Check that the bending radius of cables is not less than the minimum established.	✓	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	✓	
10	Tie wraps to be used for cable and wires fixation.	✓	
11	Cable connections shall be torque tested.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-13

AREA : 30

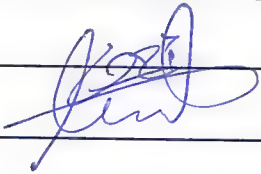
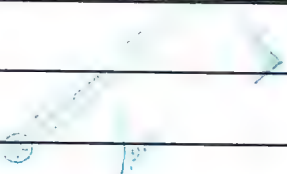

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-014

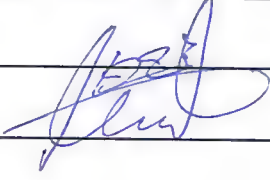

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	/	
2	Check cables are correctly fixed to trays and supports.	/	
3	Check cables through walls or ceilings are correctly sealed.	/	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	/	
5	Check identification tags of all conductors and wires.	/	
6	Check connection, tightness, termination and joints of cables are correctly executed.	/	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	/	
8	Check that the bending radius of cables is not less than the minimum established.	/	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	/	
10	Tie wraps to be used for cable and wires fixation.	/	
11	Cable connections shall be torque tested.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-14

AREA : 30

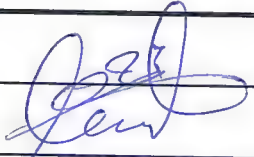
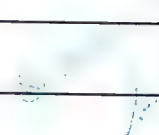
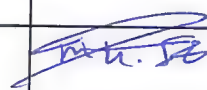
REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-015

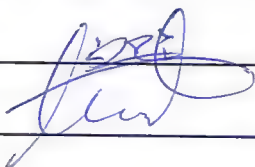


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	—	
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	—	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-15

AREA : 30

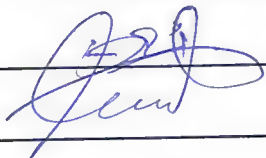

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	/	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	/	
17	Equipment test report and inspection certificate to be-checked.	/	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	/	
19	Calibration test certificate of testing equipment to be checked.	/	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

SYSTEM NAME : Closed Circuit Television System

DISCIPLINE : Electrical

SUB-SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-016

SUB-SYSTEM ID : 030-TE-002

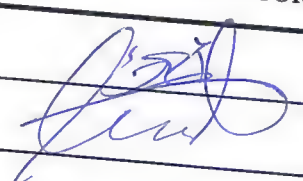

REF. DWGs/DOCs :

AREA : 30

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.		
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	—	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

SYSTEM NAME : Closed Circuit Television System

DISCIPLINE : Electrical

SUB-SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-16

SUB-SYSTEM ID : 030-TE-002

REF. DWGs/DOCs :

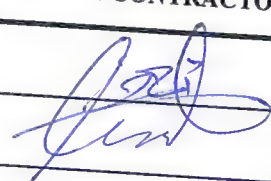

AREA : 30

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.		
13	Trench markers to be checked w.r.t approved documents.	NIA	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	NIA	
15	Inspect cable laid in trenches, segregation and protection.	✓	
16	Cables to be tested (continuity/insulation resistance). (*)	NIA	
17	Equipment test report and inspection certificate to be-checked.	✓	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	✓	
19	Calibration test certificate of testing equipment to be checked.	✓	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-017

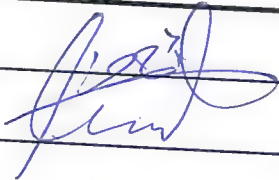


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	/	
2	Check cables are correctly fixed to trays and supports.	/	
3	Check cables through walls or ceilings are correctly sealed.	/	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	/	
5	Check identification tags of all conductors and wires.	/	
6	Check connection, tightness, termination and joints of cables are correctly executed.	/	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	/	
8	Check that the bending radius of cables is not less than the minimum established.	/	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	/	
10	Tie wraps to be used for cable and wires fixation.	/	
11	Cable connections shall be torque tested.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

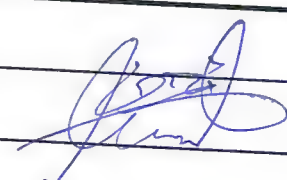

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)	
PROJECT NUMBER : 1251-100	DISCIPLINE : Electrical
SYSTEM NAME : Closed Circuit Television System	SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : Closed Circuit Television System	SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : P-030-CCTV-CJB-17	AREA : 30
REF. DWGs/DOCs :	

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-018

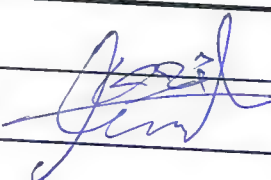

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	/	
2	Check cables are correctly fixed to trays and supports.	/	
3	Check cables through walls or ceilings are correctly sealed.	/	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	/	
5	Check identification tags of all conductors and wires.	/	
6	Check connection, tightness, termination and joints of cables are correctly executed.	/	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	/	
8	Check that the bending radius of cables is not less than the minimum established.	/	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	/	
10	Tie wraps to be used for cable and wires fixation.	/	
11	Cable connections shall be torque tested.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-18

AREA : 30

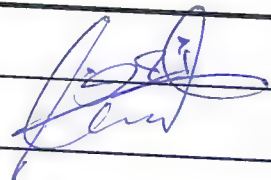


REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-019

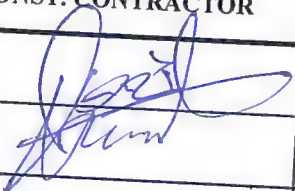

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	✓	
2	Check cables are correctly fixed to trays and supports.	✓	
3	Check cables through walls or ceilings are correctly sealed.	✓	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	✓	
5	Check identification tags of all conductors and wires.	✓	
6	Check connection, tightness, termination and joints of cables are correctly executed.	✓	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	✓	
8	Check that the bending radius of cables is not less than the minimum established.	✓	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	✓	
10	Tie wraps to be used for cable and wires fixation.	✓	
11	Cable connections shall be torque tested.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-C5B-19

AREA : 30

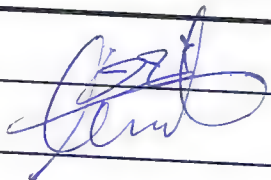


REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-020

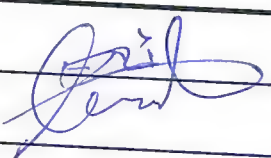

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	/	
2	Check cables are correctly fixed to trays and supports.	/	
3	Check cables through walls or ceilings are correctly sealed.	/	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	/	
5	Check identification tags of all conductors and wires.	/	
6	Check connection, tightness, termination and joints of cables are correctly executed.	/	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	/	
8	Check that the bending radius of cables is not less than the minimum established.	/	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	/	
10	Tie wraps to be used for cable and wires fixation.	/	
11	Cable connections shall be torque tested.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CAB-20

AREA : 30

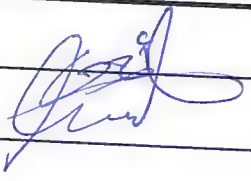

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-021

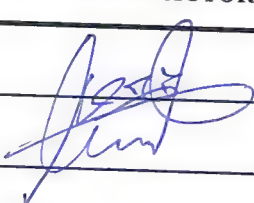


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	—	
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	—	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CFB-21

AREA : 30

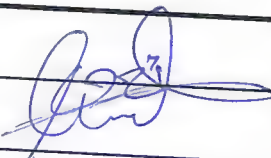

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-022

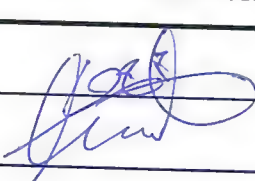

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	—	
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	—	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-ccTv-c88-22

AREA : 30

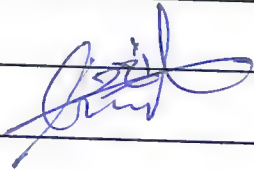


REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-023

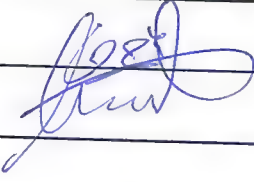

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	—	
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	—	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-23

AREA : 30

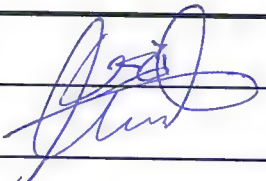


REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-024

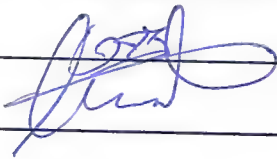
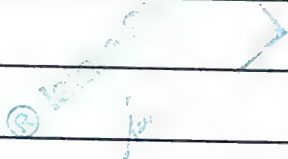

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	—	
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	—	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-ccTV-c86-24

AREA : 30

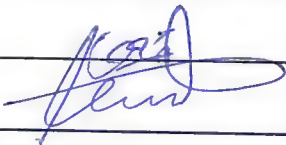

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	NIA	
13	Trench markers to be checked w.r.t approved documents.	NIA	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	—	
15	Inspect cable laid in trenches, segregation and protection.	NIA	
16	Cables to be tested (continuity/insulation resistance). (*)	—	
17	Equipment test report and inspection certificate to be-checked.	—	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	—	
19	Calibration test certificate of testing equipment to be checked.	—	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-025

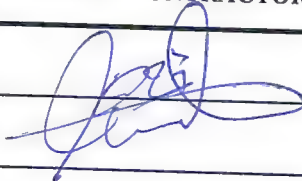

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.	—	
2	Check cables are correctly fixed to trays and supports.	—	
3	Check cables through walls or ceilings are correctly sealed.	—	
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.	—	
5	Check identification tags of all conductors and wires.	—	
6	Check connection, tightness, termination and joints of cables are correctly executed.	—	
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.	—	
8	Check that the bending radius of cables is not less than the minimum established.	—	
9	Cable markers to be installed before covering buried cables or cables in cable trays.	—	
10	Tie wraps to be used for cable and wires fixation.	—	
11	Cable connections shall be torque tested.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-C8B-25

AREA : 30

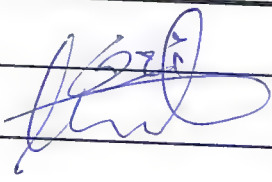

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	✓	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	✓	
17	Equipment test report and inspection certificate to be-checked.	✓	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	✓	
19	Calibration test certificate of testing equipment to be checked.	✓	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-026

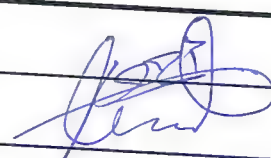

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	Construction punch list to be checked.		
2	Check cables are correctly fixed to trays and supports.		
3	Check cables through walls or ceilings are correctly sealed.		
4	Check that all cables (power/ control) are installed in accordance with cable lists and approved documents.		
5	Check identification tags of all conductors and wires.		
6	Check connection, tightness, termination and joints of cables are correctly executed.		
7	Check where conductors have been terminated using crimped connections; ensure the correct size and type of crimping lugs.		
8	Check that the bending radius of cables is not less than the minimum established.		
9	Cable markers to be installed before covering buried cables or cables in cable trays.		
10	Tie wraps to be used for cable and wires fixation.		
11	Cable connections shall be torque tested.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST LOW VOLTAGE CABLES EL-30 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Electrical

SYSTEM NAME : Closed Circuit Television System

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : Closed Circuit Television System

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : P-030-CCTV-CJB-26

AREA : 30

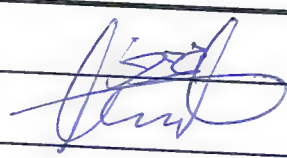


REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
12	Check that buried cables are correctly covered and protected.	N/A	
13	Trench markers to be checked w.r.t approved documents.	N/A	
14	Check cable glands for tightness & check the correct type of gland has been used for the size and type of installed cables.	/	
15	Inspect cable laid in trenches, segregation and protection.	N/A	
16	Cables to be tested (continuity/insulation resistance). (*)	/	
17	Equipment test report and inspection certificate to be-checked.	/	
18	Check availability of vendor documents, including commissioning and start-up instructions. (If Any)	/	
19	Calibration test certificate of testing equipment to be checked.	/	

REMARKS AND OBSERVATIONS :

(*) Refer to table (III).

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-24

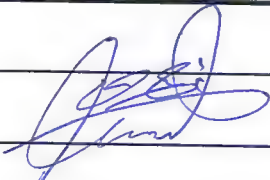
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for Ishtak	
SIGNATURE			M. Omar
DATE			

TE-04 A

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : cctv system

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-24

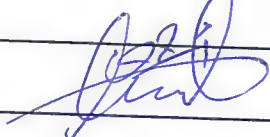
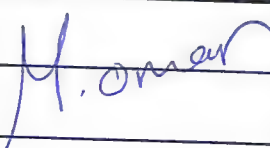
AREA : 30

REF. DWGs/DOCs :

[illegible]

REMARKS AND OBSERVATIONS:

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for 1st job	
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-22

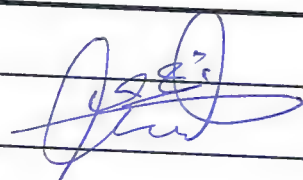
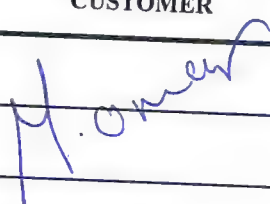
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for /shok	
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT- AGROOD AREA (MODU)

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system SUB-SYSTEM ID : 030-TE-002

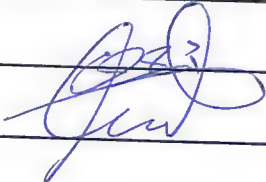
ITEM TAG No. : CCTV-FOC-030-22 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for / shiba	
SIGNATURE			M. Omer
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM NAME : CCTV SYSTEM

ITEM TAG No. : CCTV-FOC-030-19

REF. DWGs/DOCs :

DISCIPLINE : Telecommunication

SYSTEM ID : 030-TE-002

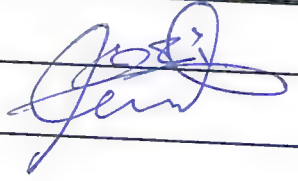
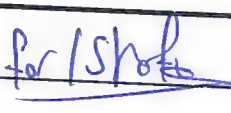
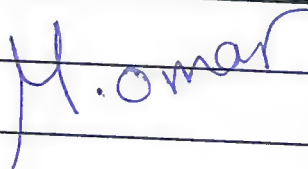
SUB-SYSTEM ID : 030-TE-002

AREA : 30

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

TE-04 A




PROJECT TITLE : EGPC CRUDE OIL TANK FARM'S PROJECT - AGR00D	
PROJECT NUMBER : 1251-100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM	SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-F0C-030-019	REF : 30
REF. DWGs/DOCs :	

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

REMARKS AND OBSERVATIONS:

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-08

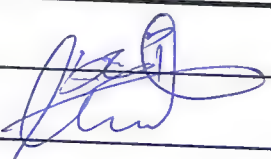
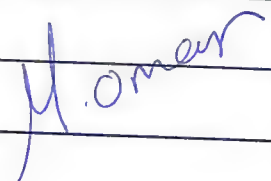
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for /shah	
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT-AGROOD

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002

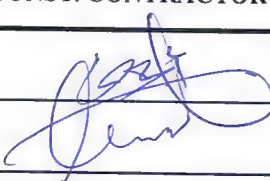
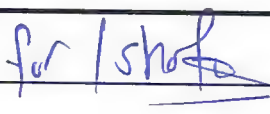
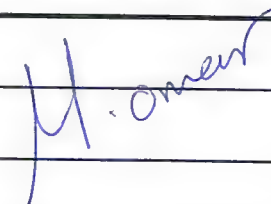
ITEM TAG No. : CCTV-FOC-030-08 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for / shafa	
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-01

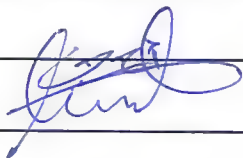

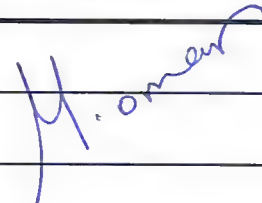
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for / signed	M. omer
SIGNATURE			
DATE			

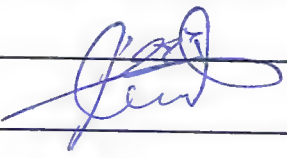
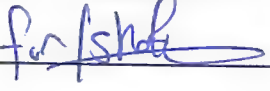
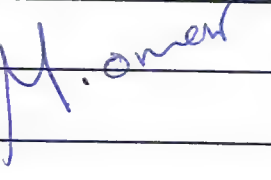
PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM PROJECT TAGR001
PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOC-030-01 AREA : 30
REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST

FIBER OPTICAL CABLES

TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-13

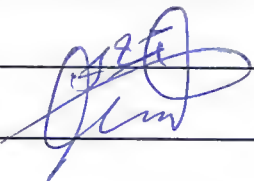
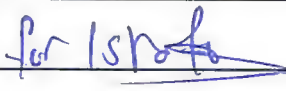
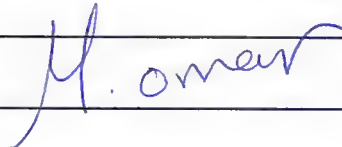
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for Isro	
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT-AGROOD AREA(MODULE2)

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system SUB-SYSTEM ID : 030-TE-002

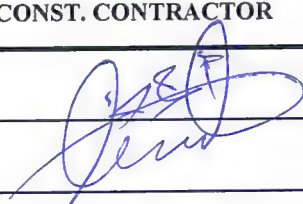
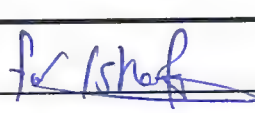
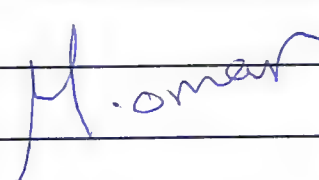
ITEM TAG No. : CCTV-FOC-030-13 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)	
PROJECT NUMBER : 1251-100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM	SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOC-030-07	AREA : 30
REF. DWGs/DOCs :	

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		For Splice	H. Omer
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM'S PROJECT-ACR001
PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOL-030-07 AREA : 30
REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

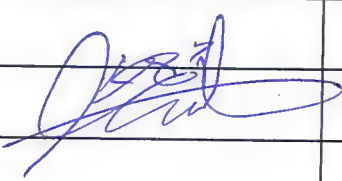
PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)	
PROJECT NUMBER : 1251-100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM	SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOC-030-05	AREA : 30
REF. DWGs/DOCs :	

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for / shab	M. omer
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT-AGROOD AREA MODULE

PROJECT NUMBER : 1281-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-05 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for / shah	
SIGNATURE			M. omer
DATE			

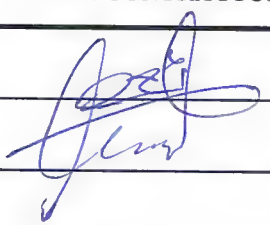

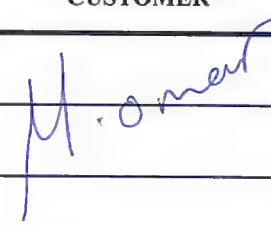
PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)	
PROJECT NUMBER : 1251-100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM	SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOC-030-09	AREA : 30
REF. DWGs/DOCs :	

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT-AGRA00C
PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOC-030-09 AREA : 30
REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		fr / sh	M. Omar
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030-TE-002

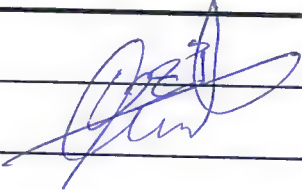

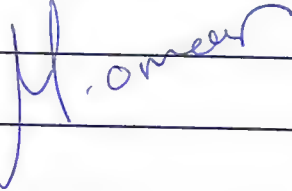
ITEM TAG No. : CCTV-FOC-030-06 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC-CRUDE OIL TANK FARMS PROJECT-A GOOD AREA (mode)

PROJECT NUMBER : 1254 100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system SUB-SYSTEM ID : 030-TE-002

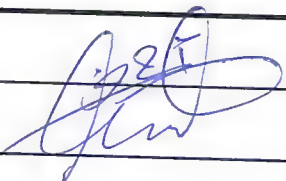
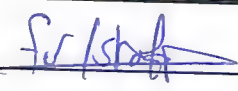
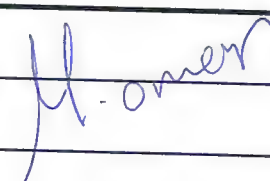
ITEM TAG No. : CCTV FOC-030-05 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM NAME : CCTV SYSTEM

ITEM TAG No. : CCTV-FOC-030-10

REF. DWGs/DOCs :

DISCIPLINE : Telecommunication

SYSTEM ID : 030-TE-002

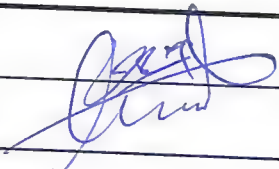

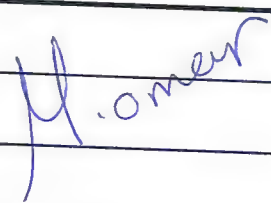
SUB-SYSTEM ID : 030-TE-002

AREA : 30

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM PROJECT-AGROOD

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002

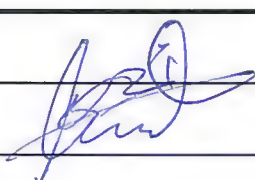
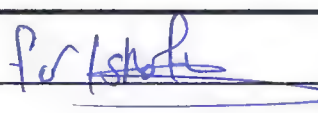
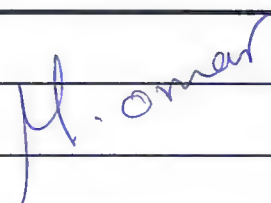
ITEM TAG No. : CCTV-FOC-030-10 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-18

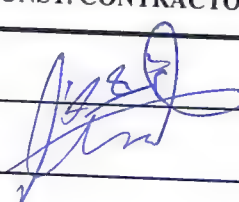
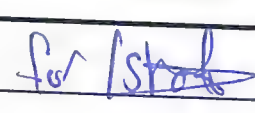
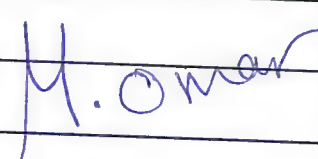
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM3 PROJECT- AGROOD

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-18 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM NAME : CCTV SYSTEM

ITEM TAG No. : CCTV-FOC-030-21

REF. DWGs/DOCs :

DISCIPLINE : Telecommunication

SYSTEM ID : 030-TE-002

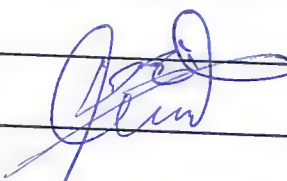
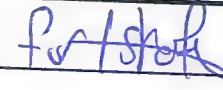
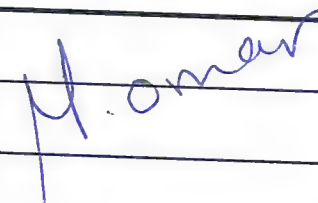
SUB-SYSTEM ID : 030-TE-002

AREA : 30

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		Port/Star	M. Omar
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT- A BROOD AREA (MODULE 2)

PROJECT NUMBER : 1259-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-21 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for Asst. Engr	M. Omer
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM NAME : CCTV SYSTEM

ITEM TAG No. : CCTV-FOC-030-28

REF. DWGs/DOCs :

DISCIPLINE : Telecommunication

SYSTEM ID : 030-TE-002

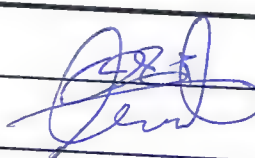
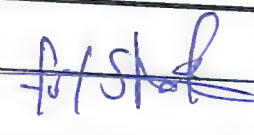
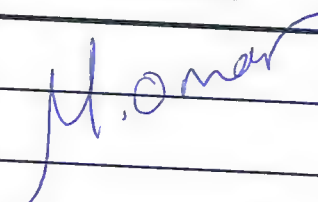
SUB-SYSTEM ID : 030-TE-002

AREA : 30

No.	DESCRIPTION	RESULT	PL
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.	OK/NA/PL	ITEM No.
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT AGROOD AREA (MODULO)

PROJECT NUMBER : 1251-000 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-28 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

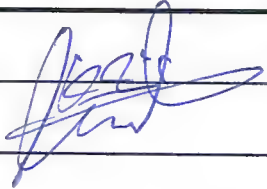
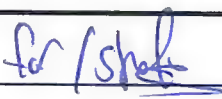
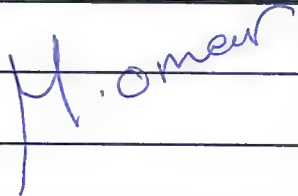
PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)	
PROJECT NUMBER : 1251-100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM	SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOC-030-27	AREA : 30
REF. DWGs/DOCs :	

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT-AGROOD AREA (Module 2)

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV-system SUB-SYSTEM ID : 030-TE-002

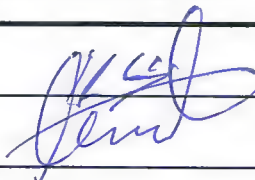


ITEM TAG No. : CCTV-FOC-030-27 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002

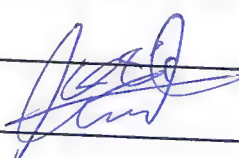
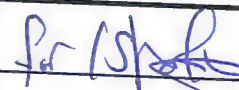
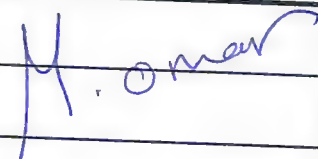
ITEM TAG No. : CCTV-FOC-030-25 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT- AGROOD AREA (Moudher)

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system SUB-SYSTEM ID : 030-TE-002

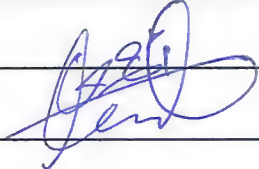

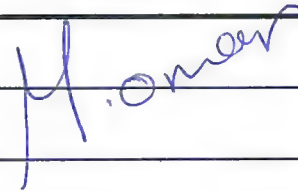
ITEM TAG No. : CCTV-FOC-030-25 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-26

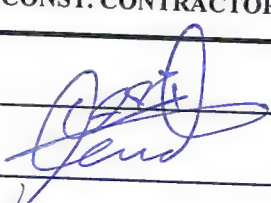
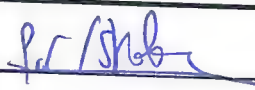
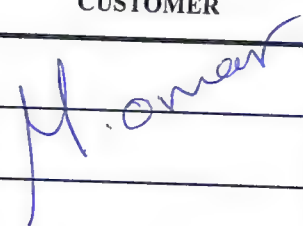
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT-ABROOD AREA (Module 2)

PROJECT NUMBER : 1256 100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV-system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV-system SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-Fac-030-26 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for / shah	
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM NAME : CCTV SYSTEM

ITEM TAG No. : CCTV-FOC-030-23

REF. DWGs/DOCs :

DISCIPLINE : Telecommunication

SYSTEM ID : 030-TE-002

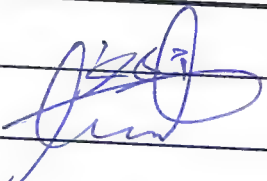

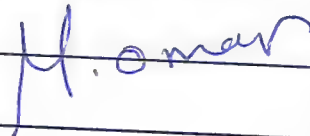
SUB-SYSTEM ID : 030-TE-002

AREA : 30

No.	DESCRIPTION	RESULT	PL
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.	OK/NA/PL	ITEM No.
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for / Shoh	M. Omar
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT-AGROOD AREA (MODUL 82)

PROJECT NUMBER : 1231-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system SUB-SYSTEM ID : 030-TE-002

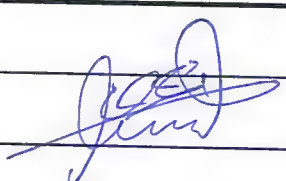
ITEM TAG No. : CCTV-SOC-030-23 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for 1st time	
SIGNATURE			M. Omer
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-11 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check <u>Cable type and model number as mentioned in the drawings/purchase order</u>	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		for / <i>[Signature]</i>	<i>[Signature]</i>
SIGNATURE	<i>[Signature]</i>		
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES

TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT-AGROOD AREA(MODULE 2)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-Poc-030-11

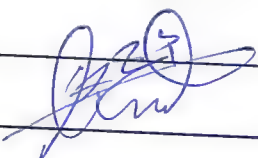

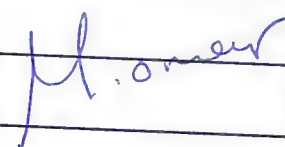
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS:

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM NAME : CCTV SYSTEM

ITEM TAG No. : CCTV-FOC-030-12

REF. DWGs/DOCs :

DISCIPLINE : Telecommunication

SYSTEM ID : 030-TE-002

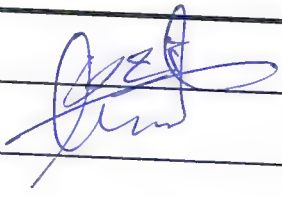
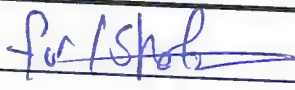
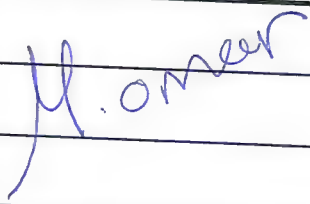
SUB-SYSTEM ID : 030-TE-002

AREA : 30

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES

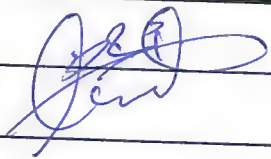

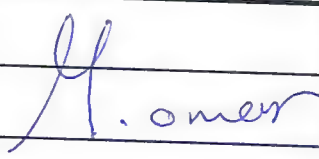
TE-04 A

PROJECT TITLE	: E GPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODU)		
PROJECT NUMBER	: 1251-100	DISCIPLINE	: Telecommunication
SYSTEM NAME	: CCTV system	SYSTEM ID	: 030-TE-002
SUB-SYSTEM NAME	: CCTV system	SUB-SYSTEM ID	: 030-TE-002
ITEM TAG No.	: CCTV-FOC-030-12	AREA	: 30
REF. DWGs/DOCs	:		

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 22

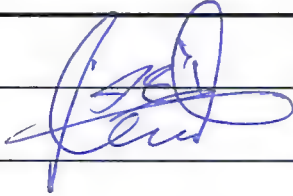
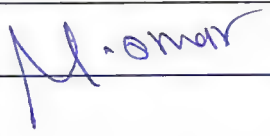
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 22

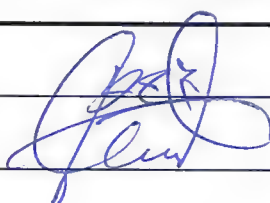
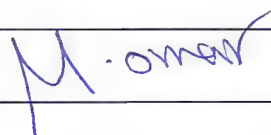
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage,placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 22

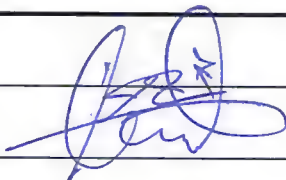
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 23

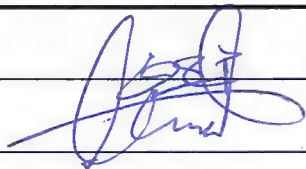
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 23

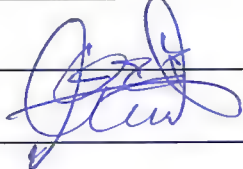
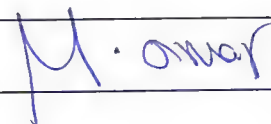
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

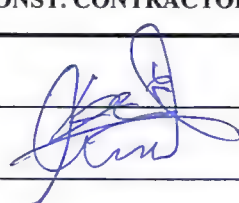
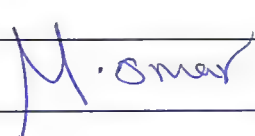
ITEM TAG No. : CCTV - FXD - 030 - 23 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 24

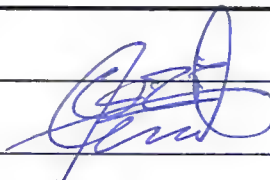

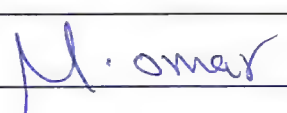
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	NA	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 24

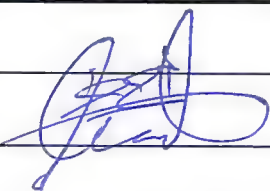
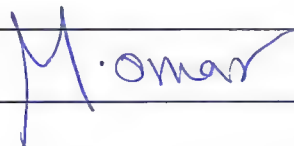
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

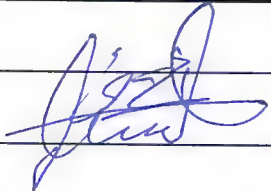
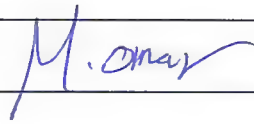
ITEM TAG No. : CCTV - FXD - 030 - 24 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 25

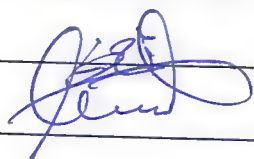
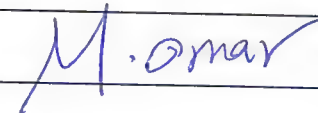
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

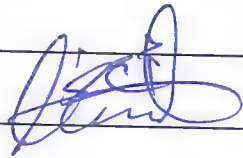
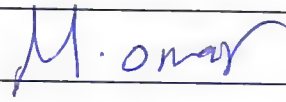
ITEM TAG No. : CCTV - FXD - 030 - 25 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 25

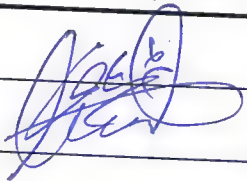
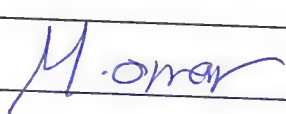
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 26

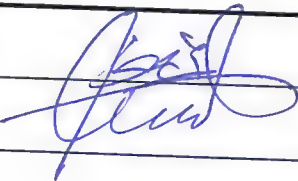
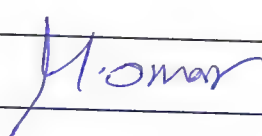
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

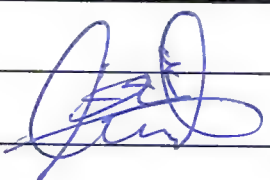
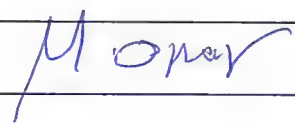
ITEM TAG No. : CCTV - FXD - 030 - 26 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 26

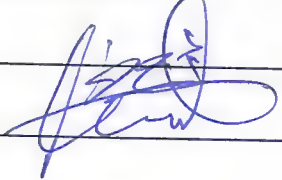
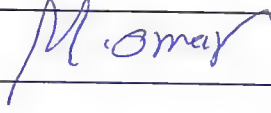
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	MA	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 15

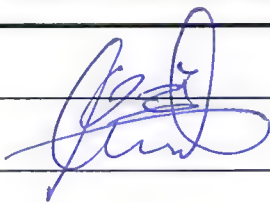
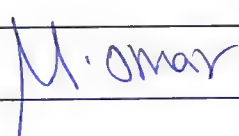
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 15

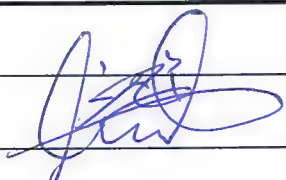
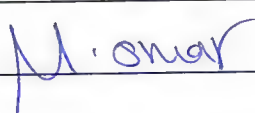
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

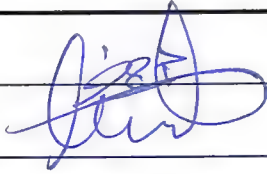
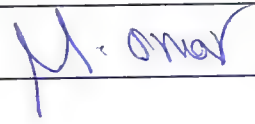
ITEM TAG No. : CCTV - FXD - 030 - 15 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	MIA	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

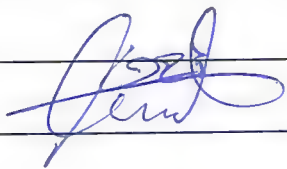
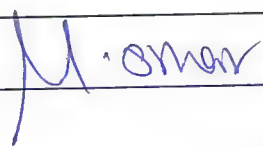
ITEM TAG No. : CCTV - FXD - 030 - 16 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	—	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	—	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	—	
1.4	Equipment tags are according to the drawing & correctly placed.	—	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	—	
1.6	Check accessibility for maintenance.	—	
1.7	Cable glands and shrouds are connected properly.	—	
1.8	Grounding cable is connected properly.	—	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030 - TE - 002

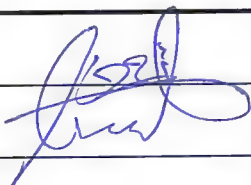
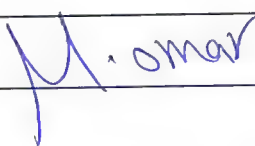
ITEM TAG No. : CCTV - FXD - 030 - 16 : AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	NIA	
1.13	Check water tank is mounted no more than 3m from the camera housing.	NIA	
1.14	Check washer nozzles and wiper blades.	NIA	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	NIA	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

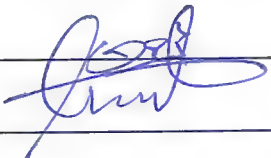

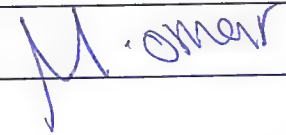
ITEM TAG No. : CCTV - FXD - 030 - 16 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	/	
2.8	Grounding cable is connected properly.	/	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	/	
2.10	Check accessibility for maintenance.	/	
2.11	Check that there are no missing parts.	/	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	/	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 17 ;

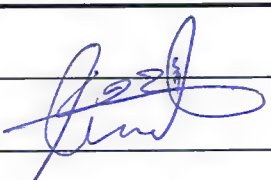
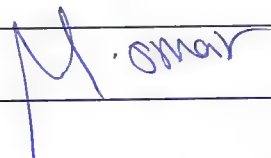
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 17

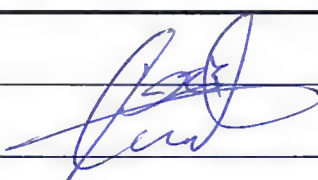

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 17

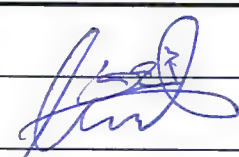

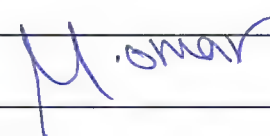
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	—	
2.8	Grounding cable is connected properly.	—	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	—	
2.10	Check accessibility for maintenance.	—	
2.11	Check that there are no missing parts.	—	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	—	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 18

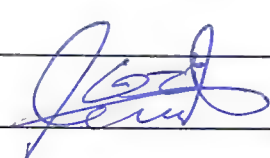

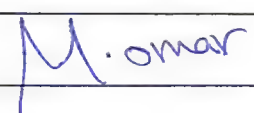
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	/	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	/	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	/	
1.4	Equipment tags are according to the drawing & correctly placed.	/	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	/	
1.6	Check accessibility for maintenance.	/	
1.7	Cable glands and shrouds are connected properly.	/	
1.8	Grounding cable is connected properly.	/	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	A/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030 - TE - 002

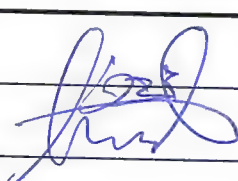
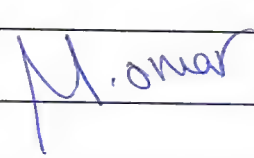
ITEM TAG No. : CCTV - FXD - 030 - 18 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 18

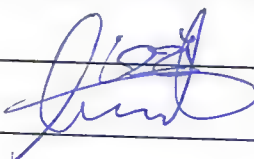
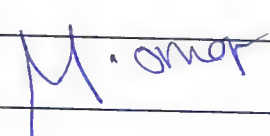
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	—	
2.8	Grounding cable is connected properly.	—	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	—	
2.10	Check accessibility for maintenance.	—	
2.11	Check that there are no missing parts.	—	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	—	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 19

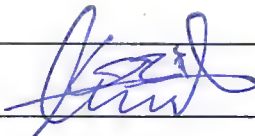
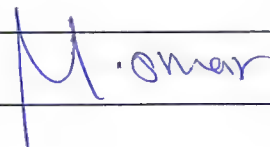
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	—	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	—	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	—	
1.4	Equipment tags are according to the drawing & correctly placed.	—	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	—	
1.6	Check accessibility for maintenance.	—	
1.7	Cable glands and shrouds are connected properly.	—	
1.8	Grounding cable is connected properly.	—	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 19

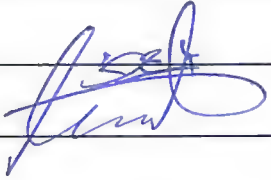

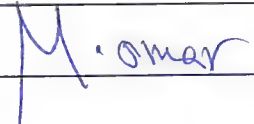
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	—	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	—	
2.2	Equipment tags are according to the drawing & correctly placed.	—	
2.3	Equipment is in good condition and has no physical damage.placed.	—	
2.4	Cable glands and shrouds are connected properly.	—	
2.5	Unused Cable Entries are plugged correctly.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 19

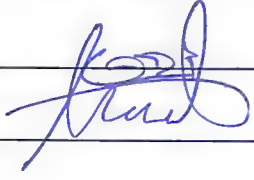

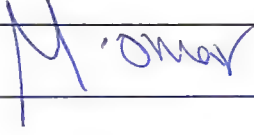
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	—	
2.8	Grounding cable is connected properly.	—	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	—	
2.10	Check accessibility for maintenance.	—	
2.11	Check that there are no missing parts.	—	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	—	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 20

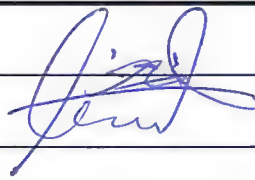
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	—	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	—	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	—	
1.4	Equipment tags are according to the drawing & correctly placed.	—	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	—	
1.6	Check accessibility for maintenance.	—	
1.7	Cable glands and shrouds are connected properly.	—	
1.8	Grounding cable is connected properly.	—	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 20

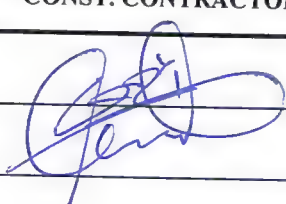
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	/	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	/	
2.2	Equipment tags are according to the drawing & correctly placed.	/	
2.3	Equipment is in good condition and has no physical damage.placed.	/	
2.4	Cable glands and shrouds are connected properly.	/	
2.5	Unused Cable Entries are plugged correctly.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 20

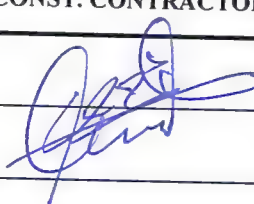
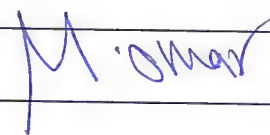
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	—	
2.8	Grounding cable is connected properly.	—	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	—	
2.10	Check accessibility for maintenance.	—	
2.11	Check that there are no missing parts.	—	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	—	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

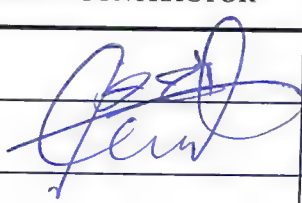
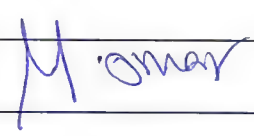
ITEM TAG No. : CCTV - FXD - 030 - 21 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 21

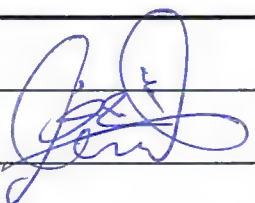
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 21

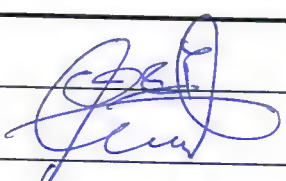
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 14

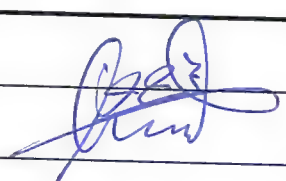
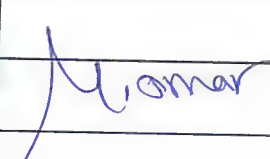
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	NA	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 14

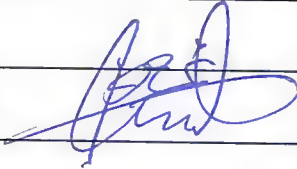
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030 - TE - 002

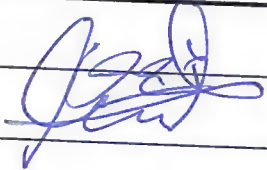
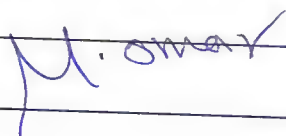
ITEM TAG No. : CCTV - FXD - 030 - 14 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 07

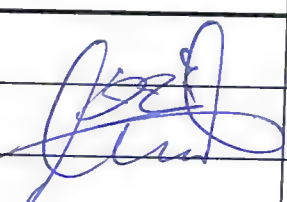
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 07

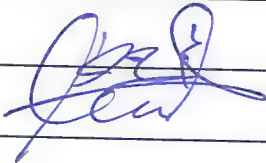
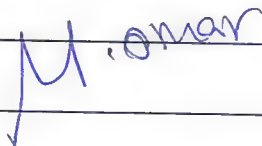
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 07

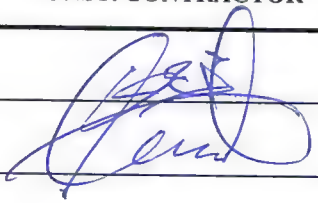
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002


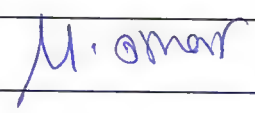
ITEM TAG No. : CCTV - FXD - 030 - 08 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

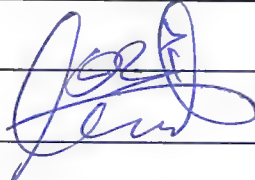

ITEM TAG No. : CCTV - FXD - 030 - 08 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 08

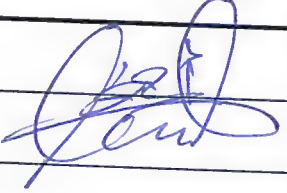
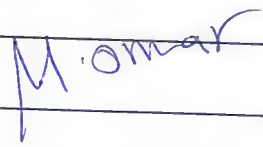
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 09

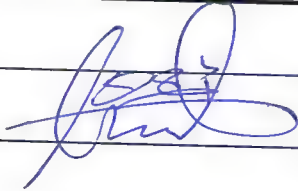
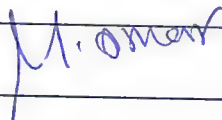
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 09

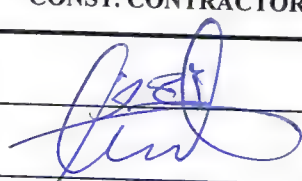
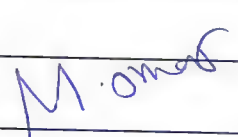
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	NA	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 09

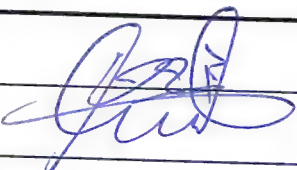
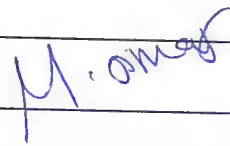
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 10


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 10


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 10

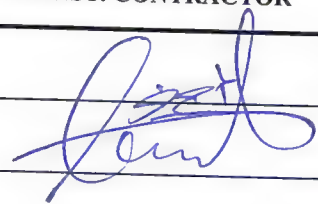
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	NA/NA	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 11

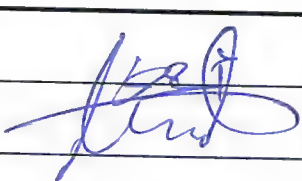
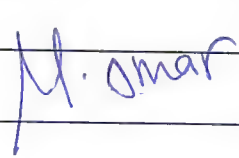
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 11


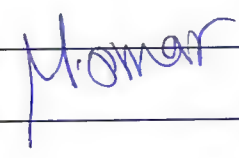
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

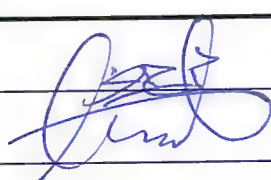
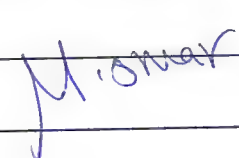
PROJECT NUMBER : 1251 - 100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	SYSTEM ID : 030 - TE - 002
SUB-SYSTEM NAME : CCTV SYSTEM	SUB-SYSTEM ID : 030 - TE - 002
ITEM TAG No. : CCTV - FXD - 030 - 11	AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

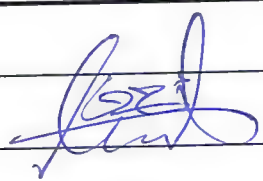

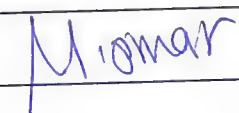
PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	SYSTEM ID : 030 - TE - 002
SUB-SYSTEM NAME : CCTV SYSTEM	SUB-SYSTEM ID : 030 - TE - 002
ITEM TAG No. : CCTV - FXD - 030 - 12	AREA : 30
REF. DWGs/DOCs :	

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

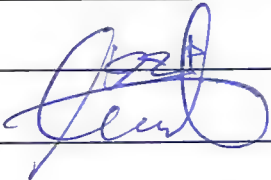

ITEM TAG No. : CCTV - FXD - 030 - 12 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 12

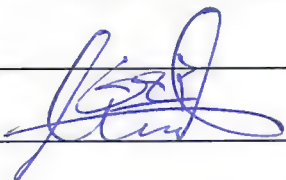
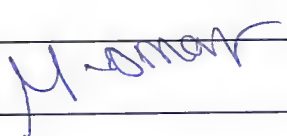
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS:

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002


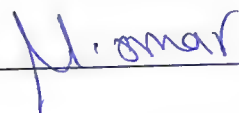
ITEM TAG No. : CCTV - FXD - 030 - 13 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly. -	✓	
1.8	Grounding cable is connected properly. -	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 13



AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 13

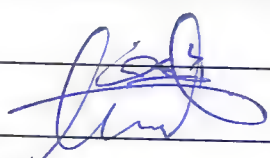
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FXD-030-01

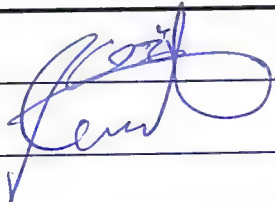
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			Mohamed Omar
SIGNATURE			M. Omar
DATE			5/12/2021

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030-TE-002

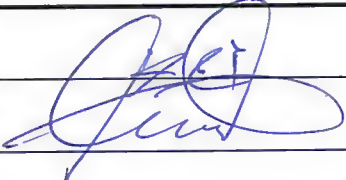
ITEM TAG No. : CCTV-FXD-030-01 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			Mohamed Omar
SIGNATURE			M. Omar
DATE			5/12/2021

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FXD-030-01


AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			mohamed omar
SIGNATURE			M. Omar
DATE			5/12/2021

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FXD-030-02

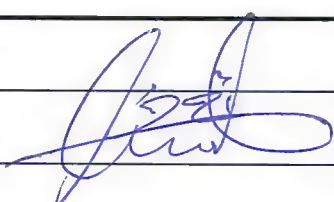
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	—	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	—	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	—	
1.4	Equipment tags are according to the drawing & correctly placed.	—	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	—	
1.6	Check accessibility for maintenance.	—	
1.7	Cable glands and shrouds are connected properly.	—	
1.8	Grounding cable is connected properly.	—	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	—	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			mohamed omar
SIGNATURE			M. Omar
DATE			5/12/2021

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FXD-030-02

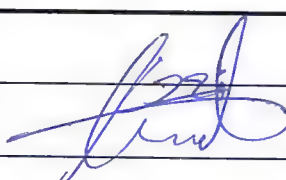
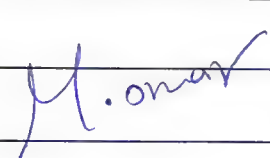
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FXD-030-02

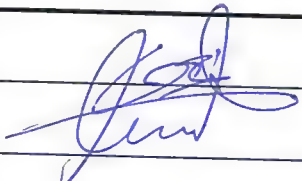
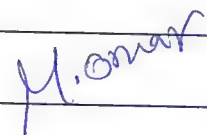
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	/	
2.8	Grounding cable is connected properly.	/	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	/	
2.10	Check accessibility for maintenance.	/	
2.11	Check that there are no missing parts.	/	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	/	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 03

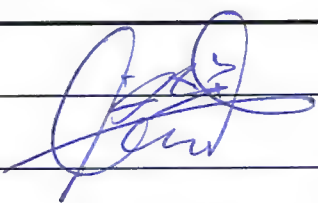
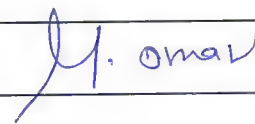
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 03

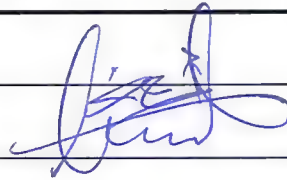
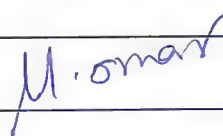
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 03

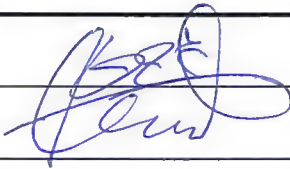
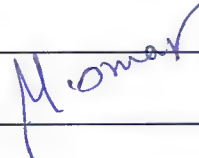
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002



ITEM TAG No. : CCTV - FXD - 030 - 04 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

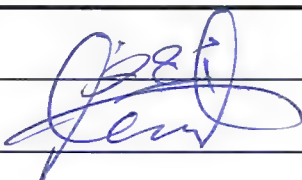
ITEM TAG No. : CCTV - FXD - 030 - 04 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 04

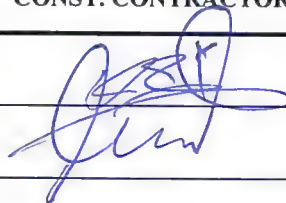
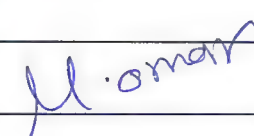
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 05

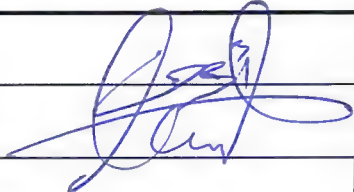
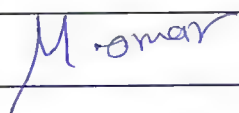
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 05

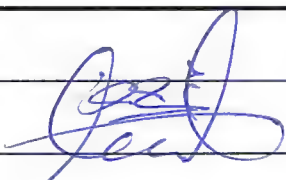


AREA : 30

REF. DWGs/DOCs :

Nº.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 05

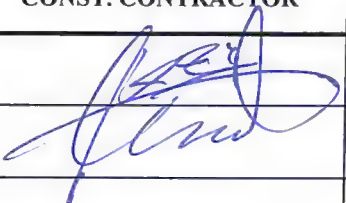
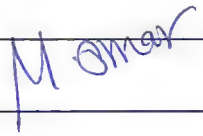
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order. are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg.		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

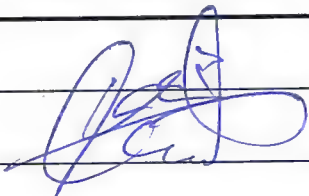

ITEM TAG No. : CCTV - FXD - 030 - 06 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	OUTDOOR CAMERAS/WASH AND WIPE UNIT		
1.1	Equipment placed in the correct location (pole/steel structure) as per the distribution Dwg.	✓	
1.2	Equipment placed in the correct elevation as per the installation detail Dwg.	✓	
1.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.	✓	
1.4	Equipment tags are according to the drawing & correctly placed.	✓	
1.5	Equipment (including brackets) is in good condition and has Check accessibility for maintenance.	✓	
1.6	Check accessibility for maintenance.	✓	
1.7	Cable glands and shrouds are connected properly.	✓	
1.8	Grounding cable is connected properly.	✓	
1.9	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	N/A	
1.10	Outdoor Equipment type and model number is as mentioned in the drawings / purchase order.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			M. Omar
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030 - TE - 002

ITEM TAG No. : CCTV - FXD - 030 - 06

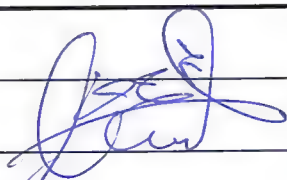
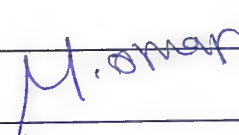
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Check that there are no missing parts.	✓	
1.12	Check water hose is connected to camera housing from water tank.	N/A	
1.13	Check water tank is mounted no more than 3m from the camera housing.	N/A	
1.14	Check washer nozzles and wiper blades.	N/A	
1.15	Check P/T/Z cameras have clearance for a 360 degree pan rotation.	N/A	
2	OUTDOOR CAMERA MARSHALLING ENCLOSURE/ JUNCTION BOXES		
2.1	Equipment is placed in the correct elevation as per the installation detail Dwg.	✓	
2.2	Equipment tags are according to the drawing & correctly placed.	✓	
2.3	Equipment is in good condition and has no physical damage.placed.	✓	
2.4	Cable glands and shrouds are connected properly.	✓	
2.5	Unused Cable Entries are plugged correctly.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) TE-10 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251 - 100 **DISCIPLINE** : Telecommunication

SYSTEM NAME : CCTV SYSTEM **SYSTEM ID** : 030 - TE - 002

SUB-SYSTEM NAME : CCTV SYSTEM **SUB-SYSTEM ID** : 030 - TE - 002

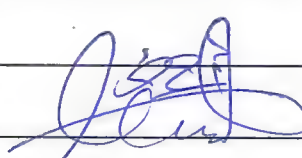

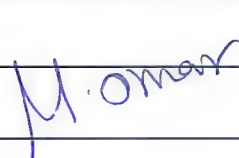
ITEM TAG No. : CCTV - FXD - 030 - 06 **AREA** : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
2.6	Bolts/Nuts/Washers and all accessories as per the Dwg are tightly fitted.	NA	
2.7	Terminals undamaged, installed and numbered correctly as per drawings.	✓	
2.8	Grounding cable is connected properly.	✓	
2.9	Outdoor equipment type and model number are as mentioned in the drawings/purchase order, are being moved in pan or tilt directions.	✓	
2.10	Check accessibility for maintenance.	✓	
2.11	Check that there are no missing parts.	✓	
2.12	Check/perform Pre-comm. check lists for all cables connected/wired to the equipment.	✓	
3	INDOOR CAMERAS/MONITORS/KEYBOARDS		
3.1	Equipment placed in the correct location as per the distribution Dwg, securely mounted and not affected by vibrations		
3.2	Equipment placed in the correct elevation as per the distribution Dwg		
3.3	Equipment mounted in the correct orientation as per the distribution/installation detail Dwg.		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

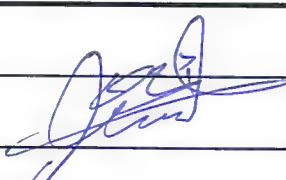
PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)	
PROJECT NUMBER : 1251-100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM	SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOC-030-03	AREA : 30
REF. DWGs/DOCs :	

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		Is/Sheh	M. Omer
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT-ABROOD AREA (MODULES)

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV system SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV system SUB-SYSTEM ID : 030-TE-002

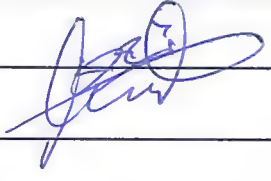
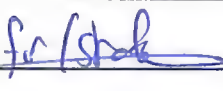
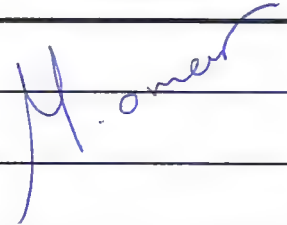
ITEM TAG No. : CCTV-FOC-030-03 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-02

AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

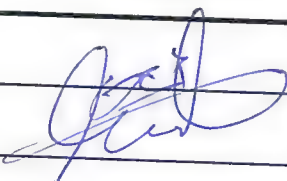

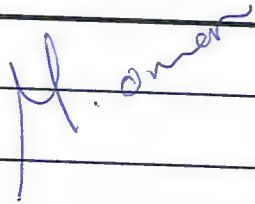
PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARM PROJECT-AGRODAREI
PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOC-030-02 AREA : 30
REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		Pr/shb	H. owner
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-04

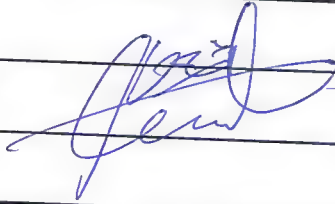
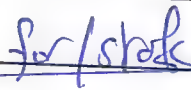
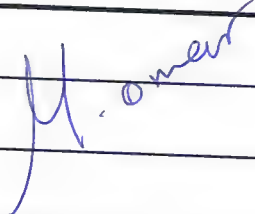
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT. AGROOD AREA (MODUL 82)

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-04 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-20

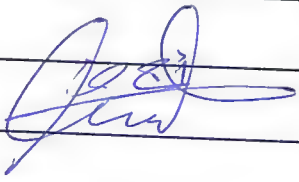

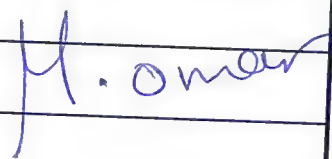
AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1	ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.		
1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT ABROO

PROJECT NUMBER : 1251-100 DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM SUB-SYSTEM ID : 030-TE-002

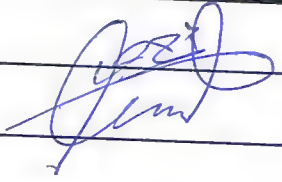

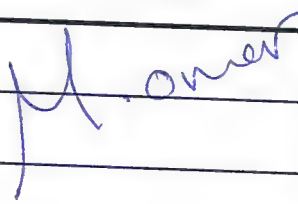
ITEM TAG No. : CCTV-FOC-030-20 AREA : 30

REF. DWGs/DOCs :

No.	DESCRIPTION	RESULT	PL
		OK/NA/PL	ITEM No.
1.11	Correct connectors are used as per project specification	✓	
1.12	Check that spare length exist at both ends of the cable.	✓	
1.13	Check Earthing/grounding in accordance with specification.	✓	
1.14	Glanding / Locknuts are correctly made.	✓	
1.15	Check that all cables are correctly supported.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)	
PROJECT NUMBER : 1251-100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	
SYSTEM ID : 030-TE-002	
SUB-SYSTEM NAME : CCTV SYSTEM	
SUB-SYSTEM ID : 030-TE-002	
ITEM TAG No. : CCTV-FOC-030-14	AREA : 30
REF. DWGS/DOCS :	

No.	DESCRIPTION	OK/NA/PL	ITEM No.
		RESULT	PL

1 ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.

1.1	Radius of bends in Cable not less than 20 x outside diameter.	✓	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	✓	
1.4	Splice Box correctly installed as per Project Drawings.	✓	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	✓	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	✓	
1.7	Cable Route Markers installed correctly	✓	
1.8	Check cable installation conforms to drawings.	✓	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	✓	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	✓	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST			
FIBER OPTICAL CABLES			
TE-04 A			
PROJECT TITLE : EGPC CBUDFOIL TANK FARM5 PROJECT-AGROD			
PROJECT NUMBER : 1251-100		DISCIPLINE : Telecommunication	
SYSTEM NAME : CCTV SYSTM		SYSTEM ID : 030-TE-002	
SUB-SYSTEM NAME : CCTV SYSTM		SUB-SYSTEM ID : 030-TE-002	
ITEM TAG No. : CCTV-FOC-030-14		AREA : 30	
REF. DWGS/DOCS :			
No.		DESCRIPTION	
PL	RESULT	OK/NA/PL	ITEM No.
	✓		1.11 Correct connectors are used as per project specification
	✓		1.12 Check that spare length exist at both ends of the cable.
	✓		1.13 Check Earthing/grounding in accordance with specification.
	✓		1.14 Glandings / Locknuts are correctly made.
	✓		1.15 Check that all cables are correctly supported.
REMARKS AND OBSERVATIONS :			
OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.			
COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME	SIGNATURE	DATE	

PRE-COMMISSIONING CHECK LIST
FIBER OPTICAL CABLES
TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGR00D AREA (MODULE 1)

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-FOC-030-16

AREA : 30

REF. DWGS/DOCS :

No.	DESCRIPTION	RESULT	
		OK/NA/PL	ITEM No.

1 ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.

1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST			
FIBER OPTICAL CABLES			
TE-04 A			
PROJECT TITLE : EGPC CBUDE OIL TANK FARM SP PROJECT-AGR000			
PROJECT NUMBER : 1251-100		DISCIPLINE : Telecommunication	
SYSTEM NAME : CCTV SYSTEM		SYSTEM ID : 030-TE-002	
SUB-SYSTEM NAME : CCTV SYSTEM		SUB-SYSTEM ID : 030-TE-002	
ITEM TAG No. : CCTV-foc-030-16		AREA : 30	
REF. DWGS/DOCS :			
No.	DESCRIPTION	RESULT	PL
1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glandings / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	
REMARKS AND OBSERVATIONS:			
OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.			
COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME	Signature	Signature	Signature
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST FIBER OPTICAL CABLES TE-04 A

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)	
PROJECT NUMBER : 1251-100	DISCIPLINE : Telecommunication
SYSTEM NAME : CCTV SYSTEM	SYSTEM ID : 030-TE-002
SUB-SYSTEM NAME : CCTV SYSTEM	SUB-SYSTEM ID : 030-TE-002
ITEM TAG No. : CCTV-FOC-030-15	AREA : 30
REF. DWGS/DOCS :	

No.	DESCRIPTION	OK/NA/PL	ITEM No.
		RESULT	PL

1 ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.

1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME		Mr. Ishak	
SIGNATURE			
DATE			

Empire

PRE-COMMISSIONING CHECK LIST

FIBER OPTICAL CABLES

TE-04 A

PROJECT TITLE :

E6PC CBUDF OIL TANK FABM3 PROJECT-A6800

PROJECT NUMBER :

1251-100

SYSTEM NAME :

CCTV-SYSTEM

SUB-SYSTEM NAME :

CCTV SYSTEM

ITEM TAG No. :

CCTV-FOC-030-15

REF. DWGS/DOCS :

No.	DESCRIPTION	RESULT	OK/NA/PL	ITEM No.
		PL		

1.11	Correct connectors are used as per project specification	/		
1.12	Check that spare length exist at both ends of the cable.	/		
1.13	Check Earthing/grounding in accordance with specification.	/		
1.14	Glanding / Locknuts are correctly made.	/		
1.15	Check that all cables are correctly supported.	/		

REMARKS AND OBSERVATIONS :

OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY

CONST. CONTRACTOR

ENPPI

CUSTOMER

NAME

SIGNATURE

DATE

PRE-COMMISSIONING CHECK LIST			
FIBER OPTICAL CABLES			
TE-04 A			
PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT - AGROOD AREA (MODULE 1)			
PROJECT NUMBER : 1251-100		DISCIPLINE : Telecommunication	
SYSTEM NAME : CCTV SYSTEM		SYSTEM ID : 030-TE-002	
SUB-SYSTEM NAME : CCTV SYSTEM		SUB-SYSTEM ID : 030-TE-002	
ITEM TAG No. : CCTV-FOC-030-17		AREA : 30	
REF. DWGS/DOCS :			
No.	DESCRIPTION	RESULT	OK/NA/PL
PL	ITEM No.		
1 ALL CABLES ARE TERMINATED CORRECTLY AS PER THE DRAWINGS AND CORRECTLY FITTED.			
1.1	Radius of bends in Cable not less than 20 x outside diameter.	/	
1.2	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.3	Check Cable type and model number as mentioned in the drawings/purchase order.	/	
1.4	Splice Box correctly installed as per Project Drawings.	/	
1.5	Buried splice boxes sealed with manufacturer's recommended compound.	/	
1.6	Cable Connections/Splicing between lengths are in accordance with manufacturer's instructions	/	
1.7	Cable Route Markers installed correctly	/	
1.8	Check cable installation conforms to drawings.	/	
1.9	Cable tags are placed correctly (at both ends) and reflect the correct cable tag.	/	
1.10	Confirm that all fiber cables connected to equipment conform to cable schedule.	/	
REMARKS AND OBSERVATIONS :			
OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.			
COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME			
SIGNATURE			
DATE			

PRE-COMMISSIONING CHECK LIST

FIBER OPTICAL CABLES

TE-04 A

PROJECT TITLE : E6PC CRUDE OIL TANK FARM SPRING PROJECT-AGP000

PROJECT NUMBER : 1251-100

DISCIPLINE : Telecommunication

SYSTEM NAME : CCTV SYSTEM

SYSTEM ID : 030-TE-002

SUB-SYSTEM NAME : CCTV SYSTEM

SUB-SYSTEM ID : 030-TE-002

ITEM TAG No. : CCTV-POC-030-17

AREA : 30

REF. DWGS/DOCS :

No.	DESCRIPTION	RESULT	
		OK/NA/PL	ITEM No.



1.11	Correct connectors are used as per project specification	/	
1.12	Check that spare length exist at both ends of the cable.	/	
1.13	Check Earthing/grounding in accordance with specification.	/	
1.14	Glanding / Locknuts are correctly made.	/	
1.15	Check that all cables are correctly supported.	/	

REMARKS AND OBSERVATIONS :



OK: NO OBJECTION, NA: NOT APPLICABLE, PL: PUNCH LIST.

COMPANY	CONST. CONTRACTOR	ENPPI	CUSTOMER
NAME	SIGNATURE	DATE	



10.13- Instrumentation Supplier Check Lists & Reports



 Enppi PETROJET	
Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)	
 The Ministry of Oil, Iraq	
System ID	030-TE-002
System Description	Closed Circuit Television System

11- Instrumentation Commissioning

System Description	Closed Circuit Television System
System ID	030-TE-002
<div data-bbox="1125 1926 1404 2016"></div> <div data-bbox="526 1926 1037 1993">Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div> <div data-bbox="247 1904 454 2004"></div>	

11.01) Instrumentation Function Test Certificates

System ID		030-TE-002
System Description		Closed Circuit Television System
<div>  <div> <div>Project: 01251-100</div> <div>CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div> </div>  </div>		

<div><div><div>Enppi</div><div>پترو جیٹ</div></div><div><div>Project: 01251-100</div><div>CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div><div></div></div></div>		System ID	030-TE-002	System Description	Closed Circuit Television System
<div>11.02- Instrumentation Supplier Check Lists & Reports</div>					

12- Electrical Pre-Commissioning



System ID	System Description
030-TE-002	Closed Circuit Television System



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)





12.01- System Electrical Index

System ID	030-TE-002
System Description	Closed Circuit Television System
<div><div>Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div></div>	

[illegible]

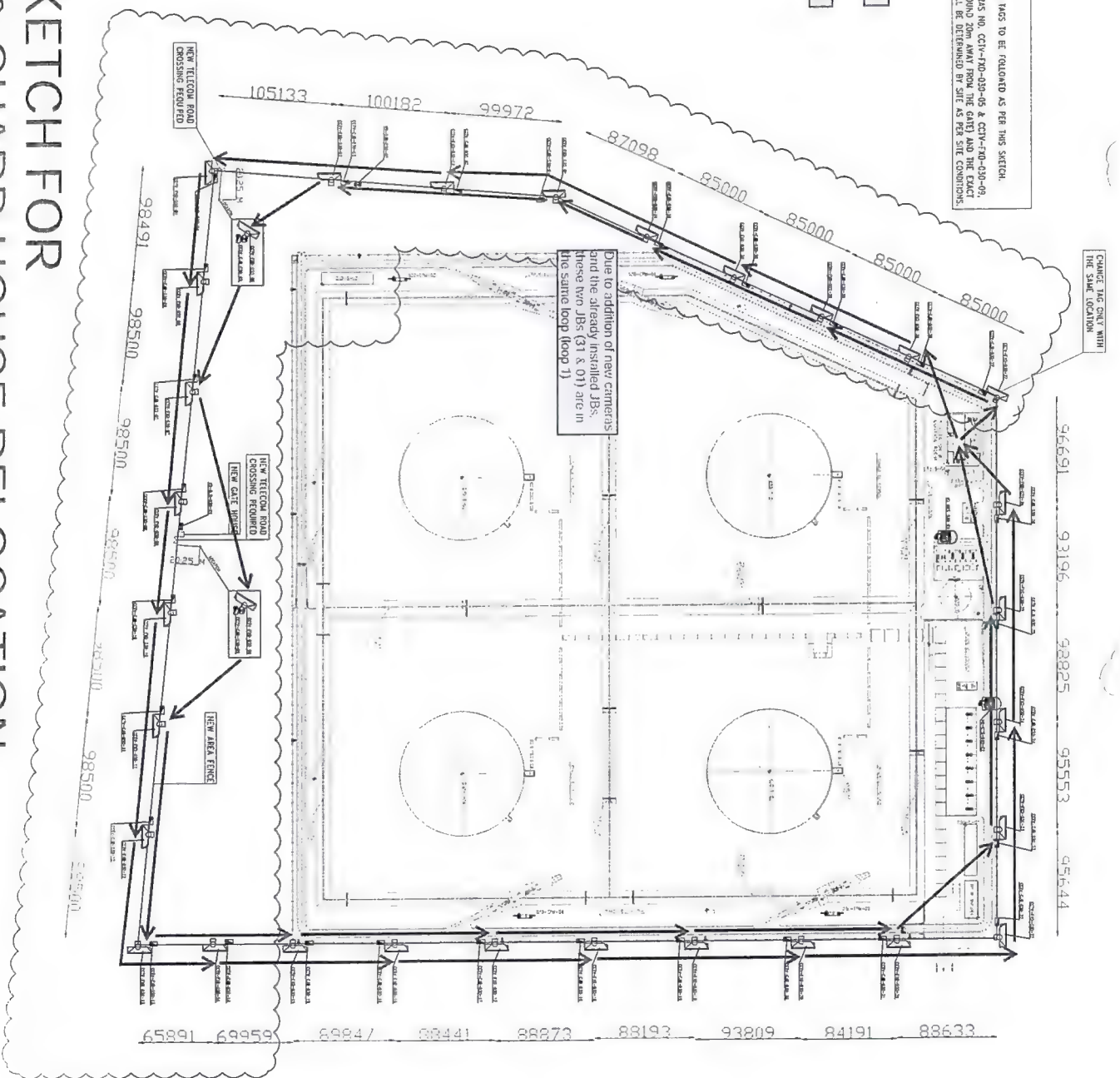
[illegible]

12.02- Electrical Drawings

System ID		030-TE-002
System Description		Closed Circuit Television System
<div><div><div><div>Enppi</div><div>پترو جيت</div></div></div><div><div>Project: 01251-100</div><div>CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div></div><div></div></div>		


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LOOP 2 LOOP 1




12.03- Motor Datasheets

System ID	System Description
030-TE-002	Closed Circuit Television System





Project: 01251-100

CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



12.04- Electrical Cables Schedule

 Enppi PETROJET	Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA) 
System ID	030-TE-002
System Description	Closed Circuit Television System

ITEM	CABLE TAG	CABLE COMPOSITION	SIGNAL TYPE	ARM.	FROM			TO			LENGTH (m)	EXT. COLOUR SHEATH	EXT. DIAM. (mm)	DRUM NO.	NOTE
					FROM	DESCRIPTION	EQUIPMENT (CAMERA) TAG NO.	TO	DESCRIPTION	EQUIPMENT (CAMERA) TAG NO.					
CCTV FIBER NETWORK LOOP-1															
<div><div><div>2</div><div>1</div></div></div>	CCTV-FOC-030-01	SM, 12 CORES	FIBER	SWA	CCTV-FPP-030-1A	FIBER OPTIC PATCH PANEL (CCTV MAIN RACK)	CCTV-CRK-030-01	CCTV-CIB-030-01	CCTV /B	CCTV-FPD-030-01	210	BLACK	10.8	S1407/337	
2	CCTV-FOC-030-03	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-01	CCTV /B	CCTV-FPD-030-01	CCTV-CIB-030-03	CCTV /B	CCTV-FPD-030-03	220	BLACK	10.8	S1407/337	
3	CCTV-FOC-030-05	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-03	CCTV /B	CCTV-FPD-030-03	CCTV-CIB-030-05	CCTV /B	CCTV-FPD-030-05	220	BLACK	10.8	S1407/337	
4	CCTV-FOC-030-07	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-05	CCTV /B	CCTV-FPD-030-05	CCTV-CIB-030-07	CCTV /B	CCTV-FPD-030-07	220	BLACK	10.8	S1407/337	
5	CCTV-FOC-030-09	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-07	CCTV /B	CCTV-FPD-030-07	CCTV-CIB-030-09	CCTV /B	CCTV-FPD-030-09	160	BLACK	10.8	S1407/337	
6	CCTV-FOC-030-11	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-09	CCTV /B	CCTV-FPD-030-09	CCTV-CIB-030-11	CCTV /B	CCTV-FPD-030-11	220	BLACK	10.8	S1407/337	
7	CCTV-FOC-030-13	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-11	CCTV /B	CCTV-FPD-030-11	CCTV-CIB-030-13	CCTV /B	CCTV-FPD-030-13	220	BLACK	10.8	S1407/337	
8	CCTV-FOC-030-15	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-13	CCTV /B	CCTV-FPD-030-13	CCTV-CIB-030-15	CCTV /B	CCTV-FPD-030-15	220	BLACK	10.8	S1407/337	
9	CCTV-FOC-030-17	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-15	CCTV /B	CCTV-FPD-030-15	CCTV-CIB-030-17	CCTV /B	CCTV-FPD-030-17	220	BLACK	10.8	S1407/337	
10	CCTV-FOC-030-19	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-17	CCTV /B	CCTV-FPD-030-17	CCTV-CIB-030-19	CCTV /B	CCTV-FPD-030-19	220	BLACK	10.8	S1407/337	
11	CCTV-FOC-030-21	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-19	CCTV /B	CCTV-FPD-030-19	CCTV-CIB-030-21	CCTV /B	CCTV-FPD-030-21	220	BLACK	10.8	S1407/337	
12	CCTV-FOC-030-23	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-21	CCTV /B	CCTV-FPD-030-21	CCTV-CIB-030-23	CCTV /B	CCTV-FPD-030-23	220	BLACK	10.8	S1407/337	
13	CCTV-FOC-030-25	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-23	CCTV /B	CCTV-FPD-030-23	CCTV-CIB-030-25	CCTV /B	CCTV-FPD-030-25	220	BLACK	10.8	S1407/337	
<div><div><div>2</div><div>14</div></div></div>	CCTV-FOC-030-27	SM, 12 CORES	FIBER	SWA	CCTV-CIB-030-25	CCTV /B	CCTV-FPD-030-25	CCTV-FPP-030-1B	FIBER OPTIC PATCH PANEL (CCTV MAIN RACK)	CCTV-CRK-030-01	280	BLACK	10.8	S1407/337	

CLIENT: EGPC
LOCATION: AGR00D-1
PROJECT NO. 01251-100

CRUDE OIL TANK FARM
TELECOMMUNICATION CABLE SCHEDULE



DOC. NO.: 01251-100-030-JSB-005
REV.: 2
DATE: 21/1/2021

CCTV FIBER NETWORK LOOP-2



ITEM	CABLE TAG	CABLE COMPOSITION	SIGNAL TYPE	ARM.	FROM			TO			LENGTH (m)	EXT. COLOUR SHEATH	EXT. DIAM. (mm)	DRUM NO.	NOTE
					FROM	DESCRIPTION	EQUIPMENT (CAMERA) TAG NO.	TO	DESCRIPTION	EQUIPMENT (CAMERA) TAG NO.					
25	CCTV-F0C-030-02	SM, 12 CORES	FIBER	SMA	CCTV-FPP-030-2A	FIBER OPTIC PATCH PANEL (CCTV MAIN RACK)	CCTV-CRK-030-01	CCTV-CIB-030-02	CCTV JB	CCTV-FXD-030-02	310	BLACK	10.8	S1407/338	
16	CCTV-F0C-030-04	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-02	CCTV JB	CCTV-FXD-030-02	CCTV-CIB-030-04	CCTV JB	CCTV-FXD-030-04	220	BLACK	10.8	S1407/338	
17	CCTV-F0C-030-06	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-04	CCTV JB	CCTV-FXD-030-04	CCTV-CIB-030-06	CCTV JB	CCTV-FXD-030-06	220	BLACK	10.8	S1407/338	
18	CCTV-F0C-030-08	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-06	CCTV JB	CCTV-FXD-030-06	CCTV-CIB-030-08	CCTV JB	CCTV-FXD-030-08	210	BLACK	10.8	S1407/338	
19	CCTV-F0C-030-10	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-08	CCTV JB	CCTV-FXD-030-08	CCTV-CIB-030-10	CCTV JB	CCTV-FXD-030-10	160	BLACK	10.8	S1407/338	
20	CCTV-F0C-030-12	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-10	CCTV JB	CCTV-FXD-030-10	CCTV-CIB-030-12	CCTV JB	CCTV-FXD-030-12	220	BLACK	10.8	S1407/338	
21	CCTV-F0C-030-14	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-12	CCTV JB	CCTV-FXD-030-12	CCTV-CIB-030-14	CCTV JB	CCTV-FXD-030-14	220	BLACK	10.8	S1407/338	
22	CCTV-F0C-030-16	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-14	CCTV JB	CCTV-FXD-030-14	CCTV-CIB-030-16	CCTV JB	CCTV-FXD-030-16	220	BLACK	10.8	S1407/338	
23	CCTV-F0C-030-18	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-16	CCTV JB	CCTV-FXD-030-16	CCTV-CIB-030-18	CCTV JB	CCTV-FXD-030-18	220	BLACK	10.8	S1407/338	
24	CCTV-F0C-030-20	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-18	CCTV JB	CCTV-FXD-030-18	CCTV-CIB-030-20	CCTV JB	CCTV-FXD-030-20	220	BLACK	10.8	S1407/338	
25	CCTV-F0C-030-22	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-20	CCTV JB	CCTV-FXD-030-20	CCTV-CIB-030-22	CCTV JB	CCTV-FXD-030-22	220	BLACK	10.8	S1407/338	
26	CCTV-F0C-030-24	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-22	CCTV JB	CCTV-FXD-030-22	CCTV-CIB-030-24	CCTV JB	CCTV-FXD-030-24	220	BLACK	10.8	S1407/338	
27	CCTV-F0C-030-26	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-24	CCTV JB	CCTV-FXD-030-24	CCTV-CIB-030-26	CCTV JB	CCTV-FXD-030-26	220	BLACK	10.8	S1407/338	
28	CCTV-F0C-030-28	SM, 12 CORES	FIBER	SMA	CCTV-CIB-030-26	CCTV JB	CCTV-FXD-030-26	CCTV-FPP-030-2B	FIBER OPTIC PATCH PANEL (CCTV MAIN RACK)	CCTV-CRK-030-01	180	BLACK	10.8	S1407/338	

030-SUB-UPDR-1 (L37)	WP	P-030-CCTV-CJB-27	EX	CCTV-CJB-030-27	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	180	CCT
		P-030-CCTV-CJB-29	EX	CCTV-CJB-030-29	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	230	
		P-030-CCTV-CJB-01	EX	CCTV-CJB-030-01	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	230	
		P-030-CCTV-CJB-05	EX	CCTV-CJB-030-05	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	100	
		P-030-CCTV-CJB-07	EX	CCTV-CJB-030-07	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	230	
		P-030-CCTV-CJB-09	EX	CCTV-CJB-030-09	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	230	
		P-030-CCTV-CJB-28	WP	030-SUB-UPDR-1 (L38)	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	230	CCT
		P-030-CCTV-CJB-30	EX	CCTV-CJB-030-28	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	175	
		P-030-CCTV-CJB-02	EX	CCTV-CJB-030-30	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	230	
		P-030-CCTV-CJB-04	EX	CCTV-CJB-030-02	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	235	
		P-030-CCTV-CJB-06	EX	CCTV-CJB-030-04	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	170	
		P-030-CCTV-CJB-08	EX	CCTV-CJB-030-06	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	125	
		P-030-CCTV-CJB-26	WP	030-SUB-UPDR-1 (L39)	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	235	CCT
		P-030-CCTV-CJB-22	EX	CCTV-CJB-030-26	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	265	
		P-030-CCTV-CJB-24	EX	CCTV-CJB-030-22	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	230	
		P-030-CCTV-CJB-20	EX	CCTV-CJB-030-24	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	215	
		P-030-CCTV-CJB-18	EX	CCTV-CJB-030-20	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	195	
		P-030-CCTV-CJB-16	EX	CCTV-CJB-030-18	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	210	
		P-030-CCTV-CJB-14	EX	CCTV-CJB-030-16	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	205	
		P-030-CCTV-CJB-12	EX	CCTV-CJB-030-14	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	210	
		P-030-CCTV-CJB-10	EX	CCTV-CJB-030-12	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	210	
		P-030-CCTV-CJB-25	WP	030-SUB-UPDR-1 (L40)	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	205	
		P-030-CCTV-CJB-23	EX	CCTV-CJB-030-25	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	235	CCT
		P-030-CCTV-CJB-21	EX	CCTV-CJB-030-23	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	230	
		P-030-CCTV-CJB-19	EX	CCTV-CJB-030-21	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	195	
		P-030-CCTV-CJB-17	EX	CCTV-CJB-030-19	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	205	
		P-030-CCTV-CJB-15	EX	CCTV-CJB-030-17	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	205	
		P-030-CCTV-CJB-13	EX	CCTV-CJB-030-15	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	205	
		P-030-CCTV-CJB-11	EX	CCTV-CJB-030-13	EX	3PH POWER FEEDER	400VAC	0.1	44	4B	205	

12.05- Electrical Cables Laying Certificates

System Description	Closed Circuit Television System
System ID	030-TE-002
<div><div><div><div>Enppi</div><div>PETROJET</div></div></div><div><div>Project: 01251-100</div><div>CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div></div><div></div></div>	

12.06- Electrical Cables Testing Certificates

 PETROJET	Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA) 
System ID	030-TE-002
System Description	Closed Circuit Television System



Enppi

EGPC CRUDE OIL TANK FARM



INSPECTION AND TEST REPORT FOR

CABLE INSULATION RESISTANCE TEST

INSPECTION REPORT NUMBER

RFI-

INSTRUMENT TYPE:

SERIAL:

SERVICE VOLTAGE:

220 V

INSPECTION DATE & TIME

DOCUMENT NO.

ITR-EL-0006A

DISPLINE

ELECTRICAL

SYSTEM NO.:

SHEET NO

TEST VOLTAGE:

1KV

AREA / PACKAGE:


NO	Item/Tag NO.	CABLE SIZE	Continuity Test	PHASE TO PHASE "M.Ohm"			PHASE TO NEUTRAL "M.Ohm"			PHASES & NEUTRAL TO ARMOR			RESULT		
				BR-BK	BR-GR	BK-GR	BR-B	BK-B	GR-B	BR-ARM	BK-ARM	GR-ARM	B-ARM	Pass	FAIL
1	P-030-CCTV-CJB-05	4x4	✓											✓	
2	P-030-CCTV-CJB-07	4x4	✓											✓	
3	P-030-CCTV-CJB-09	4x4	✓											✓	
4	P-030-CCTV-CJB-10	4x4	✓											✓	
5	P-030-CCTV-CJB-11	4x4	✓											✓	
6	P-030-CCTV-CJB-29	4x4	✓											✓	
7	P-030-CCTV-CJB-25	4x4	✓											✓	
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															

Remarks :-


Reference :-

Reference :-		ENPPI		PMI	
NAME :		PETROJET		ENPPI	
SIGNATURE		SIGNATURE		SIGNATURE	
DATE		DATE		DATE	

ITR-EL-0006A



EGPC CRUDE OIL TANK FARM



INSPECTION AND TEST REPORT FOR

CABLE INSULATION RESISTANCE TEST

INSPECTION REPORT NUMBER

RFI-377259

INSTRUMENT TYPE:

INSPECTION DATE & TIME

SERIAL:

SERVICE VOLTAGE:

220 v

TEST VOLTAGE:

1kv

DISCIPLINE

ELECTRICAL

DOCUMENT No

ITR-EL-0006A

SYSTEM NO.:

SHEET NO

AREA / PACKAGE:

NO	Item/Tag NO.	CABLE SIZE	Continuity Test	PHASE TO PHASE "M.Ohm"		PHASE TO NUETRAL "M.Ohm"		PHASES & NUETRAL TO ARMOR "M.Ohm"		RESULT			
				BR-BK	BR-GR	BK-GR	BR-B	BK-B	GR-B	BR-ARM	BK-ARM	GR-ARM	B-ARM
1	P-030-CCTV-CJB-26	4x4	✓									✓	
2	P-030-CCTV-CJB-24	4x4	✓									✓	
3	P-030-CCTV-CJB-22	4x4	✓									✓	
4	P-030-CCTV-CJB-20	4x4	✓									✓	
5	P-030-CCTV-CJB-18	4x4	✓									✓	
6	P-030-CCTV-CJB-16	4x4	✓									✓	
7	P-030-CCTV-CJB-14	4x4	✓									✓	
8	P-030-CCTV-CJB-12	4x4	✓									✓	
9	P-030-CCTV-CJB-10	4x4	✓									✓	
10	P-030-CCTV-CJB-25	4x4	✓									✓	
11	P-030-CCTV-CJB-23	4x4	✓									✓	
12	P-030-CCTV-CJB-21	4x4	✓									✓	
13	P-030-CCTV-CJB-19	4x4	✓									✓	
14	P-030-CCTV-CJB-17	4x4	✓									✓	
15	P-030-CCTV-CJB-15	4x4	✓									✓	
16	P-030-CCTV-CJB-13	4x4	✓									✓	
17	P-030-CCTV-CJB-11	4x4	✓									✓	
18													
19													
20													
21													

Remarks :-

Reference :-

PETROJET

ENPPI

PMC

NAME :

SIGNATURE

DATE

ITR-EL-0006A



Enppi

EGPC CRUDE OIL TANK FARM



INSPECTION AND TEST REPORT FOR

CABLE INSULATION RESISTANCE TEST

INSPECTION REPORT NUMBER

RFI-171259

INSTRUMENT TYPE:

INSPECTION DATE & TIME

DOCUMENT No
ITR-EL-0006A

DISCIPLINE
ELECTRICAL

SYSTEM NO.:

SHEET NO

SERIAL:

SERVICE VOLTAGE:
220 v

TEST VOLTAGE:
1kv

AREA / PACKAGE:

NO	Item/Tag NO.	CABLE SIZE	Continuity Test	PHASE TO PHASE "M Ohm"			PHASE TO NUETRAL "M Ohm"			PHASES & NUETRAL TO ARMOR "M Ohm"				RESULT	
				BR-BK	BR-GR	BK-GR	BR-B	BK-B	GR-B	BR-ARM	BK-ARM	GR-ARM	B-ARM	Pass	FAIL
1	P-030-CCTV-CJB-27	4x4	✓											✓	
2	P-030-CCTV-CJB-29	4x4													
3	P-030-CCTV-CJB-31	4x4	✓											✓	
4	P-030-CCTV-CJB-01	4x4	✓											✓	
5	P-030-CCTV-CJB-03	4x4	✓											✓	
6	P-030-CCTV-CJB-04	4x4													
7	P-030-CCTV-CJB-05	4x4													
8	P-030-CCTV-CJB-06	4x4													
9	P-030-CCTV-CJB-28	4x4	✓											✓	
10	P-030-CCTV-CJB-30	4x4	✓											✓	
11	P-030-CCTV-CJB-02	4x4	✓											✓	
12	P-030-CCTV-CJB-04	4x4	✓											✓	
13	P-030-CCTV-CJB-06	4x4	✓											✓	
14	P-030-CCTV-CJB-08	4x4	✓											✓	
15															
16															
17															
18															
19															
20															
21															



Remarks :-



Reference :-

PETROJET		ENPPI		PMC	
NAME :					
SIGNATURE	Sob	Islam Shari			
DATE					

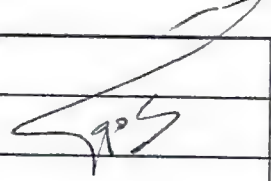
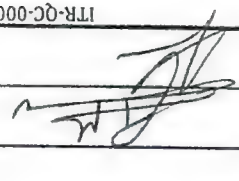
ITR-EL 0006A

12.07- Electrical Cables Termination Certificates

System Description	Closed Circuit Television System
System ID	030-TE-002
<div data-bbox="1136 1917 1417 2002"></div> <div data-bbox="536 1917 1040 1980">Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div> <div data-bbox="261 1899 459 1989"></div>	

				EGPC CRUDE OIL TANK FARM	
Owner : Egyptian General Petroleum Corporation (EGPC)		Contractor : CONSORTIUM (ENPPI / PETROJET)		Project No: 01251-100-030 Document No: ITR-QC-0001 Revision No.: 00	
REQUEST FOR INSPECTION					
ACTIVITY : CABLE TERMINATION					
NOTIFICATION NO. : PTJ-ELEC-RFI-259 DISCIPLINE : E&I DATE : 9/22/2021					
NO.	DESCRIPTION	LOCATION	DATE / TIME	INSPECTION	REMARKS
1	P-030-CCTV-CJB-27	MODULE 1	22-Sep-21		
2	P-030-CCTV-CJB-29				
3	P-030-CCTV-CJB-31				
4	P-030-CCTV-CJB-01				
5	P-030-CCTV-CJB-03				
6	P-030-CCTV-CJB-05				
7	P-030-CCTV-CJB-07				
8	P-030-CCTV-CJB-09				
9	P-030-CCTV-CJB-28				
10	P-030-CCTV-CJB-30				
11	P-030-CCTV-CJB-02				
12	P-030-CCTV-CJB-04				
13	P-030-CCTV-CJB-06				
14	P-030-CCTV-CJB-08				
15					
16					
17					
18					
19					
20					
21					
22					

NOTE: Inspection result : A - Approved B - Reject C - Approved with Comment

NAME : PETROJET	ENPPI	PMC	DATE : 9/22/2021
SIGNATURE : 			
DATE : 			

ITR-QC-0001

NO.	Description of check	ACCEPT	REJECT	RESUNT
1	Check cable glands are correct type and size as per cable schedule.			
2	Check there are no damages to cores, termination chamber layout is satisfactory, core identification is correct, crimped and pins			
3	Check cable tag is done correctly.			
4	Test and confirm conductor, phase continuity.			
5	Check insulation resistance test (megger) is completed *1			
6	Check Hi-pot test is completed, only for MV/HV cables *11			
7	Connect all cores at both ends and confirm all connections are correct as per termination diagram.			
8	Confirm spare cores, screens are earthed and conform to design drawings/specifications			
9	Check enclosure cover is installed, no damages and no bolts are missing			
10	Calibration test certificate of testing equipment to be checked.			

Remarks :

PETROJET	ENPPI	PMC
NAME :		
SIGNATURE		
DATE		

Owner : Egyptian General Petroleum Corporation (EGPC)

Project No: 01251-100-030

Contractor : CONSORTIUM (ENPPI / PETROJET)

Document No: ITR-QC-0001

Revision No. : 00

REQUEST FOR INSPECTION

ACTIVITY : CABLE TERMINATION

NOTIFICATION NO. : PTJ-ELEC-RFI- 26c

DISCIPLINE : E&I

DATE : 9/22/2021

NO.	DESCRIPTION	LOCATION	DATE / TIME	INSPECTION	REMARKS
1	P-030-CCTV-CJB-26	MODULE 1	22-Sep-21		
2	P-030-CCTV-CJB-24				
3	P-030-CCTV-CJB-22				
4	P-030-CCTV-CJB-20				
5	P-030-CCTV-CJB-18				
6	P-030-CCTV-CJB-16				
7	P-030-CCTV-CJB-14				
8	P-030-CCTV-CJB-12				
9	P-030-CCTV-CJB-10				must install
10	P-030-CCTV-CJB-25				
11	P-030-CCTV-CJB-23				
12	P-030-CCTV-CJB-21				
13	P-030-CCTV-CJB-19				
14	P-030-CCTV-CJB-17				
15	P-030-CCTV-CJB-15				
16	P-030-CCTV-CJB-13				
17	P-030-CCTV-CJB-11				must install
18					
19					
20					
21					
22					

NOTE: Inspection result: A - Approved B - Reject C - Approved with Comment

NAME: PETROJET	NAME: ENPPI	NAME: PMC
SIGNATURE	SIGNATURE	SIGNATURE
DATE	DATE	DATE



INSPECTION AND TEST REPORT FOR

SYSTEM NO.:

All cables in RFI 260

Size:

N/A.

Calibration test certificate of testing equipment to be checked.

Remarks :

NO.	Description of check	RESULT		
		ACCEPT	REJECT	N/A
1	Check cable glands are correct type and size as per cable schedule.	✓		
2	Check there are no damages to cores, termination chamber layout is satisfactory, core identification is correct, crimped and pins satisfactory.	✓		
3	Check cable tag is done correctly.	✓		
4	Test and confirm conductor, phase continuity.	✓		
5	Check insulation resistance test (megger) is completed *	✓		
6	Check Hi-pot test is completed, only for MV/HV cables **			✓
7	Connect all cores at both ends and confirm all connections are correct as per termination diagram.	✓		
8	Confirm spare cores, screens are earthed and conform to design drawings/specifications	✓		
9	Check enclosure cover is installed , no damages and no bolts are missing	✓		
10	Calibration test certificate of testing equipment to be checked.			✓

.....

PMC

NAME :

SIGNATURE

DATE _____

ITR-EL-0009

ITR-QC-0001

DATE		SIGNATURE		NAME	
PETROJET		ENPPI		PMC	
Inspection result : A - Approved B - Reject C - Approved with Comment NOTE:					
21					
20					
19					
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17					
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12					
11					
10					
9					
8					
7	P-030-CCTV-CJB-29				
6	P-030-CCTV-CJB-09				
5	P-030-CCTV-CJB-07				
4	P-030-CCTV-CJB-05				
3	P-030-CCTV-CJB-25				
2	P-030-CCTV-CJB-11				
1	P-030-CCTV-CJB-10				
	CABLE TERMINATION AND SPLICING	MODULE 1	16-Oct-21		
NO.	DESCRIPTION	LOCATION	DATE / TIME	PETROJET	ENPPI
					PMC
					REMARKS

ACTIVITY : CABLE TERMINATION AND SPLICING
 NOTIFICATION NO. : PTJ-ELEC-RFI- 261
 DISCIPLINE : E&I
 DATE : 10/16/2021

REQUEST FOR INSPECTION



Owner : Egyptian Petroleum General Corporation (EGPC)
 Project No: 01251-100-030
 Document No: ITR-QC-0001
 Revision No. : 00

Contractor : CONSORTIUM (ENPPI / PETROJET)





EGPC CRUDE OIL TANK FARM



		EGPC CRUDE OIL TANK FARM			
INSPECTION AND TEST REPORT FOR					
CABLE TERMINATION AND SPLICING					
SYSTEM NO.:		ITR NUMBER		INSPECTION DATE & TIME	
DISCIPLINE		ITR-EL-0009		ELEC	
SHEET NO.		1 OF 1		All cables in RFI 26L	
Item/Tag No.		Type :-			
NO.		Description of check			
ACCEPT		REJECT			
N/A		RESULT			
1		Check cable glands are correct type and size as per cable schedule.			
2		Check there are no damages to cores, termination chamber layout is satisfactory, core identification is correct, crimped and pins satisfactory.			
3		Check cable tag is done correctly.			
4		Test and confirm conductor, phase continuity.			
5		Check insulation resistance test (megger) is completed *1			
6		Check Hi-pot test is completed, only for MV/HV cables ***			
7		Connect all cores at both ends and confirm all connections are correct as per termination diagram.			
8		Confirm spare cores, screens are earthed and conform to design drawings/specifications			
9		Check enclosure cover is installed, no damages and no bolts are missing			
10		Calibration test certificate of testing equipment to be checked.			
Remarks :					
PETROJET					
ENPPI					
PMC					
NAME :					
SIGNATURE					
DATE					

ITR-EL-0009

				EGPC CRUDE OIL TANK FARM			
Project No: 01251-100-030 Document No: ITR-QC-0001 Revision No.: 00		REQUEST FOR INSPECTION					
ACTIVITY : FIBER CABLES TERMINATION & TEST							
NOTIFICATION NO. : PTJ-TEL-RFI- 9							
DATE : 11/3/2021							
INSPECTION							
NO.	DESCRIPTION	LOCATION	DATE / TIME	PETROJET	ENPPI	PMC	REMARKS
1	CCTV-FOC-030-01	MODULE 1 FIBER CABLES TERMINATION & TEST	3-Nov-21	PETROJET	ENPPI	PMC	
2	CCTV-FOC-030-02						
3	CCTV-FOC-030-03						
4	CCTV-FOC-030-04						
5	CCTV-FOC-030-05						
6	CCTV-FOC-030-06						
7	CCTV-FOC-030-07						
8	CCTV-FOC-030-08						
9	CCTV-FOC-030-09						
10	CCTV-FOC-030-10						
11	CCTV-FOC-030-11						
12	CCTV-FOC-030-12						
13	CCTV-FOC-030-13						
14	CCTV-FOC-030-14						
15	CCTV-FOC-030-15						
16	CCTV-FOC-030-16						
17	CCTV-FOC-030-17						
18	CCTV-FOC-030-18						
19	CCTV-FOC-030-19						
20	CCTV-FOC-030-20						
21	CCTV-FOC-030-21						
22	CCTV-FOC-030-22						
23	CCTV-FOC-030-23						

NOTE:

Inspection result : A - Approved B - Reject C - Approved with Comment

NAME :

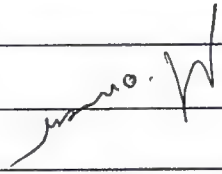
SIGNATURE

DATE

PETROJET

ENPPI

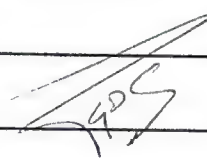
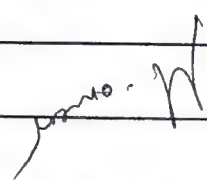
PMC





DATE		SIGNATURE		NAME :		PETROJET		ENPPI		PMC																																																																																																																																																																															
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Item/Tag NO.	all cables in RFI 9		
Type :-	Core:	Size:	



NO.	Description of check	RESULT		
		ACCEPT	REJECT	N/A.
1	Check cable glands are correct type and size as per cable schedule.	✓		
2	Check there are no damages to cores, termination chamber layout is satisfactory, core identification is correct, crimped and pins satisfactory.	✓		
3	Check cable tag is done correctly.	✓		
4	Test and confirm conductor, phase continuity.	✓		
5	Check insulation resistance test (megger) is completed *	✓		
6	Check Hi-pot test is completed, only for MV/HV cables ***			
7	Connect all cores at both ends and confirm all connections are correct as per termination diagram.	✓		
8	Confirm spare cores, screens are earthed and conform to design drawings/specifications	✓		
9	Check enclosure cover is installed , no damages and no bolts are missing	✓		
10	Calibration test certificate of testing equipment to be checked.			

Remarks :			
NAME :	PETROJET	ENPPI	PMC
SIGNATURE			
DATE			

<div><div>Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div><div><div>مركز البحوث والدراسات Petrojet Research Center</div></div></div>	
System ID	030-TE-002
System Description	Closed Circuit Television System

12.08- FAT Reports & Certificates

12.09- SAT Reports & Certificates

System ID	030-TE-002
System Description	Closed Circuit Television System
<div data-bbox="1136 1930 1406 2011">Enppi PETROJET</div> <div data-bbox="539 1935 1034 1989">Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div> <div data-bbox="261 1912 459 2002"></div>	

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PURCHASE ORDER No :		1251 -100 -278 -02 -39																									
DOCUMENT TITLE :		SAT Procedures Agrood Area # 30																									
TOTAL No OF PAGES :		26																									
SUPPLIER'S ORDER No :		LPO/1077/2020																									
SUPPLIER'S OWN DOCUMENT No		SUPPLIER'S REVISION	DATE																								
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PACKAGE DESCRIPTION		Closed Circuit Television system CCTV																									
EQUIPMENT TAG : NA		CODE IDENTIFIER : P06-0030																									
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DOCUMENT NUMBER		1251 -100 -278 -P06 -0030																									
REV		0																									

1251-100-278-02-39-EGPC-Crude Oil Tank Farm
Closed Circuit Television System (CCTV) SAT
AGROOD-1 (AREA NO.030)





HitekNOFAL Solutions

Document Control

Prepared for
EGPC (Company)
ENPPI (Contractor)

Document Information

Prepared by
HitekNOFAL Solutions (Supplier)

Document Title	Document Owner	Document Classification
EGPC-Crude Oil Tank Farm SAT	HitekNOFAL Solutions	Confidential

Document Record

Date	Author	Title	Version	Change Reference
11-2021	Ahmed Ali	Senior System Engineer	1.0	Initiate

Table of contents

- 1. Document purpose
- 2. Overview and purpose of the project
- 3. Abbreviations
- 4. Delivered material (BOM)
- 5. Cabinets Test
- 6. Rules for retesting any failed Functional Test
- 7. Punch list report
- 8. Table of signatures





1. Document Purpose

The purpose of this document is to describe the Site Acceptance Test (SAT) for Closed Circuit Television System (CCTV) to be installed in EGPC Crude Oil Tank Farm Project AGROOD-1 (AREA NO.030).

The purpose of the SAT is to check all system components operation and test system features after installation on Site.

2. Overview & Purpose of the project

The system is based on IP network LAN and Closed-Circuit Television System (CCTV) for EGPC crude oil tank farms that will serve for all data and connectivity with all data and CCTV outlets.

Provide Network connectivity to all users on local Network of EGPC farms sites via latest Axis CCTV, Promise Servers (Video Management Software) and Cisco switches Technologies for some purposes such as (Fence security CCTV, fiber optic network high availability using two closed loops.

3. SAT Concept

The SAT is done on site and the configuration used is as follow:

- CCTV Rack configured
- 31 IP Cameras Configured and connected to outdoor industrial switches.
- All CCTV Network Loops/switches connected to Rack Through fiber Patch Cord.
- 2 Workstations configured.
- 100% of cameras to be included in the site setup and tested
- 2 CCTV 43" MONITOR.



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4. Visual Inspection for system components

Ref. in PO	Item Description	Brand	P/N	BOQ Qty	UOM	CHECK
5.1	Catalyst 9400 Series 4 slot, Sup, 1xC9400-LC-48U, DNA-E LIC	Cisco	C9404R-48U-BNDL-E	1	E	
5.2	Vess A3340d US&EMEA Promise BOX incl: Memory:8GB*2, HDD:SATA3.5" 6TB*8(48TB), CPU:E3-1275 v5, SSD M2 128GB for OS&Apps, Dual PSUs, Win10 High End, 3Yrs War, 2U8 HDD-Bays With Rail&Handle	Promise	Vess A3340d	1	E	
5.3.1	6-Port GbE Ruggedized Micro Switch G6 PoE+ 2x 100/1000X SFP-Slots, DIN-Rail horiz., managed, 4x 10/100/1000T PoE+, 44..57VDC, microSD-Slot, RS-232 Port (RJ-45)	MicroSense	MS440207PMXH-48G6+	31	E	
5.4	Entry Level Small Form Factor Video Workstation Core i7-9700 NVIDIA Quadro P620 16GB RAM (1) 256GB M.2 SSD Windows 10 Pro (1) 200W PSU 5YR NBD KYHD , Warranty- Brand name keyboard , mouse included	BCD	BCDSF01-ELWS	2	E	
5.5	43" C-Series large format display, 400cd/m2, Edge LED backlight, 24/7 proof, Media Player	NEC	MultiSync C431	2	E	
5.8	Axis Camera station VMS ,ACS CORE DEVICE E- LICENSE	Axis	0879-010	31	E	
5.9	"Robust outdoor, 2 MP/HDTV, day/night fixed bullet camera with 32x optical zoom. Multiple, individually configurable H.264 and Motion	Axis	AXIS Q1785-LE	31	E	



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	<p>JPEG streams; max HDTV 1080p /2MP resolution at 50/60 fps. Forensic WDR and lightfinder for demanding light conditions and Axis Zipstream technology for reduced bandwidth and storage needs.</p> <p>Varifocal 4.3–137 mm, F1.4 with remote zoom and autofocus.</p> <p>Includes analytics AXIS Guard Suite, shock detection and active tampering alarm.</p> <p>Corridor format, Barrel distortion correction, Defog, Electronic image stabilization and Scene profiles</p> <p>Audio mic/line in, I/O for alarm/event handling and memory card slot for optional local video storage.</p> <p>OptimizedIR, a power-efficient IR LED technology.</p> <p>Integrated bracket for easy mounting on wall and ceiling.</p> <p>NEMA 4X, IP66/67 and impact resistant in -40°C to +60°C (-40 °F to 140 °F). Powered by PoE (IEEE 802.3af), 20-28 V DC or 20-24 V AC. Includes a removable sunshield.</p> <p>Power supply or midspan not included</p>	Emitter	HYDRA-466			
5.10	<p>10 A Single Phase, Earthing Bar</p>			31	E	
5.11	<p>Single mode fiber Cable, 12 cores</p>	HitekNoFal	HN-04-0654	10000	MT	
5.12.2	<p>Cat 6a UTP Keystone Modular Patch Panel loaded w/keystone, black</p>	HitekNoFal	HN-17-0457	1	E	
5.12.2	<p>1U, cable management</p>	HitekNoFal	HN-19-0010	1	E	



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		HitekNOfal	HN-18-0764				
5.12.3	Patch Panel, 24 Ports, Duplrix, 19" EIA/TIA rack IP 42, loaded with pigtails, cassettes, adapters and heat shrink protectors, 12 LC duplex adapter			4	E		
5.13.2	Patch Cord Cat. 6A, S/FTP, 4P, PUR, green, RJ45/s IP20-RJ45/s IP20, 10.0 m	R&M	R313632	35	E		
5.13.3	Patch Cord Cat. 6A, S/FTP, 4P, PUR, green, RJ45/s IP20-RJ45/s IP20, 2.5 m	R&M	R313633	10	E		
5.13.4	Duplex TX/RX, Single Mode, Fiber optic patch cord, 1 meter length, flame retardant, IEC 60332 and Low Smoke, Zero Halogen (LSZH), LC, LC CONNECTOR	HitekNOfal	HN-18-0153	66	E		
5.16	Rack, Floor standing, 42U, 19", 800*1000*1980mm, IP42, Bottom Entry with front glass door	HitekNOfal	HN-19-0064	1	E		
5.16	2U 19" Horizontal Aluminum 8 way schoko type Socket with circuit breaker and built in surge protector, French plug 1.5m 3x1.5mm cable	Canovate	PB-S08-011-116-1A1F-W-2U	2	E		

All System components are installed as per CCTV System PO

YES

NO



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5. Functional Tests

5.1 Cisco 9404 CORE switch

Test Title	Test procedure	Acceptance criteria	Test results		Notes
			Pass	Fail	
Power on self-test		Check all LED Must be green on power supply chassis	✓		
System power supply status	Validate if power supply of switch is powered up normally	All tests must pass as following message : POST: CPU Buffer Tests : Begin POST: CPU Buffer Tests : End, Status Passed POST: CPU Interface Tests : Begin POST: CPU Interface Tests : End, Status Passed POST: Switch Core Tests : Begin POST: Switch Core Tests : End, Status Passed POST: CPU Interface 2nd Stage Tests : Begin POST: CPU Interface 2nd Stage Tests : End, Status Passed POST: CAM Subsystem Tests :	✓		
IOS loading status	Validate that the IOS is loaded into the system memory				



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			Begin POST: CAM Subsystem Tests : End, Status Passed POST: Ethernet Controller Tests : Begin POST: Ethernet Controller Tests : End, Status Passed		
Switch Interface Status	Validate that all the line cards are powered up.	Check all LED on line cards must be green and up	✓		
Port / Module status	Validate that all ports are operational and in green LED	Check all LED on cards must be green in normal operation	✓		
Wiring / Connection status	Validate all passive connection to switches are installed	Check all fiber cord and UTP cords connection to switches	✓		
Labels	Validate switch labels	Check labels of installed switch and Patch cords connection labels	✓		
Power supply Hot standby redundancy	Validate installation of two power supplies on switch chassis	Disconnect one of the power sources to switch and let switch operate in other source	✓		
Protective earth	Validate installation of earthing system	Check earthing cable that connected from Rack and earthing bar	✓		



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Layer 2 configuration	VLAN creation	Validate that the proper VLANs are created on Switches	On CLI of switch type the following command to ensure vlans are created Switch# show interface vlan Output# vlan 100 data vlan 200 voice
Trunk Configuration	Validate that all the trunk links are configured as per the LLD Document	You can check trunk ports on switch by typing the following command, Switch# show interface trunk Output# it will list all interfaces that configured as a trunk ports	✓
Layer 3 configuration	Intervlan routing applied	Validate configuration of intervlan routing	✓
Common Features (Licenses, Software, Versions,...etc)	Validate all the Common features	Check if we can reach all vlans in network as per configured intervlan routing Switch# ping ip address Output# reply with ip address Check if the common features are valid or not	Not Included ✓



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5.2 Promise Server (Vess A3340d)

Test Title	Test procedure	Acceptance criteria	Test results	Notes
Power Test	System Power supply status	Validate if power supply of Server is powered up normally	✓	
	OS loading	Validate server operating system loading into RAM	✓	
	Wiring / Connection status	Validate all passive connection to the server are installed	✓	
	Labels	Validate Server labels	✓	
	Protective earth	Validate Installation of earthing system	✓	
	Power supply Hot standby	Validate installation of two power supplies on Server chassis	✓	
	Redundancy	Validate all server hardware modules and specs	✓	
Date & Time	System Date & Time windows setting	Check if server date and time Adjusted	✓	
Storage Test	Estimated Storage = 19.4TB	Check Hard disks capacity 48TB	✓	
	Estimated Bandwidth = 120Mb/s	Raid Configured	✓	



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Server IP	Usable size for recording		Check Usable size after Raid	
	Check windows network setting		Check server IP Address (as per IP schema submitted)	
VMS	Start Axis Camera station Server		Check Axis Camera station server Up & Running	
Software	Common Features (licenses, Software, Versions,...etc)		Validate all the Common features	
			Check if the common features are valid or not	
			✓	
			✓	
			✓	
			✓	



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5.3 MicroSens Switch (MS440207PMXH-48G6+)

Test Title	Test procedure	Acceptance criteria	Test results		Notes
			Pass	Fail	
Port / Module status Wiring / Connection status	Validate that all ports are operational and in green LED Validate all passive connection to the Switch are installed	Check all LED on cards must be green in normal operation Check all UTP cords connection to the Switch.	✓		
Labels	Validate switch labels	Check labels of installed switch and Patch cords connection labels	✓		
Protective earth	Validate installation of earthing system	Check earthing cable that connected from Rack and earthing bar	✓		
Layer 2 configuration Trunk Configuration	Validate that all the trunk links are configured as per the LLD Document	You can check trunk ports on switch by typing the following command, Switch# show interface trunk Output# it will list all interfaces that configured as a trunk ports	✓		
Port POE	Validate The POE over all ports	Check The POE over all ports	✓		



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5.4 Axis Camera Q1785-LE

Test Title	Test procedure	Acceptance criteria	Test results	Notes
Power Test	System Power status	Validate if power POE of switch to Camera powered up normally	✓	
	OS loading	Validate IP camera operating system loading from server	✓	
	Wiring / Connection status	Validate passive connections to the IP camera and server are installed	✓	
	Labels	Validate IP camera labels	✓	
	VLAN assignment	Validate that IP camera has assigned to its appropriate VLAN	✓	
Layer 2 configuration				
Recommended setting	Viewing Resolution	Validate the Resolution of the camera.	✓	
	Recording Resolution	Validate the Resolution of the camera.	✓	
	Viewing Frames per second	Validate the Max frames per Second.	✓	
	Recording Frames per second	Validate the Max frames per Second.	✓	



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5.5.1 Workstation#1- Security Room

BCD-BCDSF01

Test Title	Test procedure	Acceptance criteria	Test results	Notes
Workstation starting test	Power status	Validate if workstation is powered up normally	✓	
Workstation OS loading	Microsoft Windows Start	Check workstation operation LED status working Check workstation operating system is up and running	✓	
Date & Time	System Date & Time windows setting	Check if server date and time Adjusted	✓	
WorkStation IP	Check windows network setting	Check server IP Address (as per IP schema submitted)	✓	
VMS Software	Start Axis Camera station client	Check Axis Camera station client is Up and running	✓	
Features	Recording & playback	Check Recording & playback	✓	
	Different Views Layout	Validate Different Views Layout on the workstation software Check Different Views Layout on the workstation software	✓	



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43" CCTV LED Screen	Set-up, start and stop a sequence	Validate Set-up, start and stop a sequence	Check Set-up, start and stop a sequence	✓
	Zoom & Focus functions	Validate Zoom & Focus functions	Check Zoom & Focus functions	✓
	System Alarms	Validate System Alarms such as Signal loss & storage status.	Check System Alarms such as Signal loss & storage status.	✓
	Common Features (licenses, Software, Versions,...etc)	Validate if the common features are valid or not	Check if the common features are valid or not	✓



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5.5.2 Workstation#2- Guard Room

BCD -BCDSF01

Test Title	Test procedure	Acceptance criteria	Test results	Notes
Workstation starting test	Power status Workstation OS loading	Validate if workstation is powered up normally Microsoft Windows Start	Check workstation operation LED status working Check workstation operating system is up and running	<div>Pas s</div> <div>Fail</div> <div>✓</div> <div>✓</div>
Date & Time WorkStation IP	System Date & Time windows setting Check windows network setting	Check if server date and time Adjusted Check server IP Address (as per IP schema submitted)	✓ ✓ ✓	
VMS Software	Start Axis Camera station client	Check Axis Camera station client is Up and running	✓	
Features	Recording & playback Different Views Layout	Validate Recording & playback Validate Different Views Layout on the workstation software	Check Recording & playback Check Different Views Layout on the workstation software	<div>✓</div> <div>✓</div>



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	Set-up, start and stop a sequence	Validate Set-up, start and stop a sequence	Check Set-up, start and stop a sequence	<input checked="" type="checkbox"/>
	Zoom &Focus functions	Validate Zoom &Focus functions	Check Zoom &Focus functions	<input checked="" type="checkbox"/>
	System Alarms	Validate System Alarms such as Signal loss & storage status.	Check System Alarms such as Signal loss & storage status.	<input checked="" type="checkbox"/>
43" CCTV LED Screen		Validate the 43" CCTV LED Screen	Check the 43" CCTV LED Screen	<input checked="" type="checkbox"/>
	Common Features (Licenses, Software, Versions,...etc)	Validate if the common features are valid or not	Check if the common features are valid or not	<input checked="" type="checkbox"/>

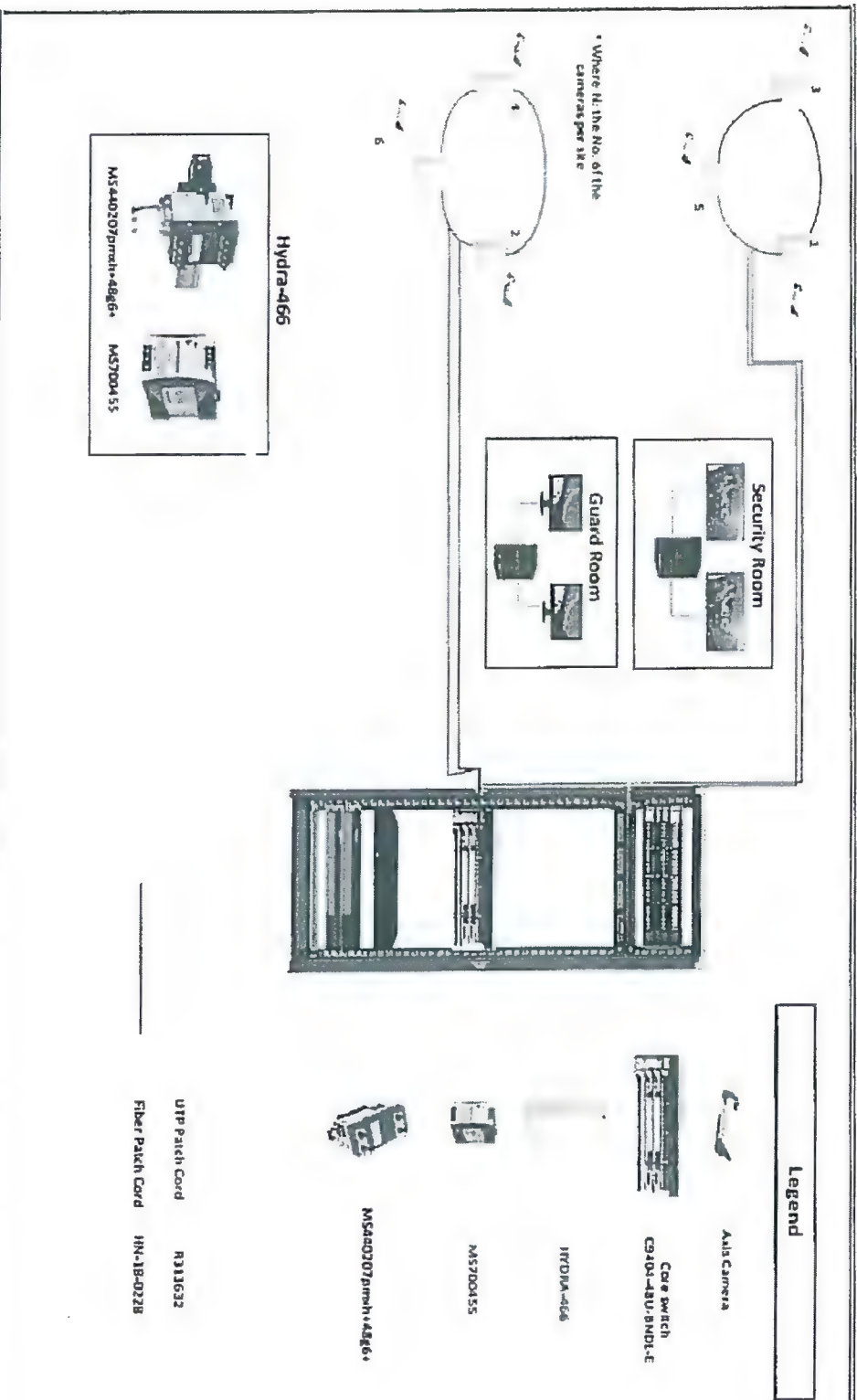
6.Rules for retesting any failed functional test:

- Hiteknofal is responsible for resolving any issues related to any failed Functional test within 5 Working Days.



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Block Diagram





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Overall System Test Procedure

Test Title	Test procedure	Acceptance criteria	Test results	Notes
Network Connectivity	Validate the connectivity between all the components of the network.	Check the connectivity Between The switches , promise Server ,cameras and the workstations.	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	
IP Addresses of CCTV	Validate all IP schema for CCTV system and its components	Check all Ethernet and network setting for devices and must have an IP of same CCTV system subnet	<input checked="" type="checkbox"/>	
Workstations Installation	Validate all the OS of workstation	Check all the Operation Systems.	<input checked="" type="checkbox"/>	
Axis camera station Client workstation	Validate the Axis camera station on the workstation	Check that the App client is running on the workstations.	<input checked="" type="checkbox"/>	guard house workstation not ready yet
Axis camera station server	Validate the Axis camera station on the promise server and how we manage the cameras through it.	Check that the App Server is running on the promise server.	<input checked="" type="checkbox"/>	
Fluke test for UTP cables	Perform Fluke device testing UTP cable	Pass/Fail	<input checked="" type="checkbox"/>	
	Validate the closed loops functionality on the two closed loop	Check the closed loops functionality on the two closed loop	<input checked="" type="checkbox"/>	
	Validate pop up camera view on the 43" monitor	Check pop up camera view on the 43" monitor when motion detection feature is activated.	<input checked="" type="checkbox"/>	

- Bandwidth Calculation: We are using Q1785-LE Video stream 3 Mbps, considering 3 Video streams / camera, total BW/camera will be $3 \times 3 = 9$ Mbps, For AGROOD -30
- For 16 odd cameras BW will be $16 \times 9 = 144$ Mbps,
- For 15 even cameras BW will be $15 \times 9 = 135$ Mbps,
- Available BW will be 1Gbps.



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Cables testing procedures

Test Title	Test procedure	Acceptance criteria	Test results	Notes
OTDR Test for Fiber Cable	-Labels	Validate all label on fiber cable	Check all fiber cables and patch cords have label, also inside the junction boxes and on fiber patch panels	Pass Fail
	OTDR Test with Link loss	Perform OTDR testing for fiber cable including fiber patch panels	Link Loss-fiber cable length x attenuation of cable (0.4 dB) + # of splices x splice loss (0.25dB) + # of connectors x connectors loss (0.75 dB)	
	OTDR test link	Core #1		
		Core #2		
		Core #3		
		Core #4		

- test reports shall be attached to SAT.



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Cabinets Test

Test Title	Test procedure	Acceptance criteria	Test results	Notes
			Pass Fail	
Cabinet Arrangement	Validate cabinet arrangement as per Approved drawings	Check if all active components are installed in rack as per rack layout configuration	✓	
Doors locks	Visual check for all doors locks for racks	Check and test locks for rack doors that are operational with keys	✓	
Labels	Validate all rack equipment labels	Check that all active devices and passive cords have labels also Rack		
Fans	Validate all Fan operations for rack	Check power to all rack fan units and that it operates normally	✓	
Grounding	Validate that earthing is connected	Check earthing connection of Rack is connected to its body.	✓	
Wiring	Validate internal Wiring as per approved drawings	Check all internal wiring inside rack as per approved and test all connectivity to active components.	✓	



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Agrood-30 Contains 31 cameras in the site.

Cameras IP Schema:

Cam No.	Cam MAC Address	CAM IP Address	Comment
Cam #1	Accc 8E CAC305	192.168.30.101	
Cam #2	A3E3	192.168.30.102	
Cam #3	A8DE	192.168.30.103	
Cam #4	E8A1	192.168.30.104	
Cam #5	E584	192.168.30.105	
Cam #6	E70B	192.168.30.106	
Cam #7	E827	192.168.30.107	
Cam #8	E7B0	192.168.30.108	
Cam #9	E891	192.168.30.109	
Cam #10	A53D	192.168.30.110	
Cam #11	E69F	192.168.30.111	
Cam #12	A4 3F	192.168.30.112	



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Cam #13	AS4	192.168.30.113
Cam #14	E736	192.168.30.114
Cam #15	A4F1	192.168.30.115
Cam #16	C785	192.168.30.116
Cam #17	C7C	192.168.30.117
Cam #18	C2 D9	192.168.30.118
Cam #19	C6E3	192.168.30.119
Cam #20	A73B	192.168.30.120
Cam #21	E6E7	192.168.30.121
Cam #22	A4FC	192.168.30.122
Cam #23	A3D8	192.168.30.123
Cam #24	E662	192.168.30.124
Cam #25	A6EC	192.168.30.125
Cam #26	C449	192.168.30.126
Cam #27	C7E3	192.168.30.127
Cam #28	C459	192.168.30.128
Cam #29	C7A9	192.168.30.129
Cam #30	E9AE	192.168.30.130



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Cam #31

E983

192.168.30.131

Active Components IP Schema:

#	Active Device	IP Address
1	Cisco Catalyst 9400 Core Switch	192.168.30.254
2	Vess A3340d Promise server	192.168.30.250
3	Microsense Industrial Switchs	192.168.30.201 - 192.168.30.240
4	Outdoor Axis Cameras	192.168.30.101 - 192.168.30.140
5	BCD Video workstations	192.168.30.10 - 192.168.30.15



6. Punch list report

No.	
1-	All CCTV System Cables shall be installed by HitekNOFAL (indoor & outdoor)
2-	Guardhouse workstation to be installed & tested.
3-	All Licenses (Windows & cameras) to be submitted to client.
4-	CCTV Workstation Desk shall be submitted in the Security room & guard room as well.

Cleared
HitekNOFAL
Cleared
HitekNOFAL
Cleared
HitekNOFAL
Cleared
HitekNOFAL

ENPPI
Mohamed Hossain (Owner)
21/11/2021
HitekNOFAL
Ahmed M. I. Engineer
Mohamed Omar
N. Omar
21/11/2021

PPC

21/11/2021

21/11/2021





8. Table of signature

ENPPI	Signature	Name	Job Title**	Date
		M. Al-Muhammad (now)	Specialist Telecom Engineer	2-11-2021
		Momen Saeed	Telecom Engineer	2/11/2021



HitekNOFAL	Signature	Name	Job Title**	Date
		Ahmed Ali	System Engineer	

Client	Signature	Name	Job Title**	Date
PC		Mohamed Omar	IT Engineer	2/11/2021



12.10- Electrical Pre-Commissioning Check Lists

System ID		030-TE-002
System Description		Closed Circuit Television System
<div>  Enppi PETROJET </div> <div> Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA) </div> <div>  </div>		



12.11- Electrical Supplier Check Lists & Reports

System Description	Closed Circuit Television System
System ID	030-TE-002
<div data-bbox="1117 1937 1396 2027">  </div> <div data-bbox="518 1937 1021 1993"> <p>Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</p> </div> <div data-bbox="247 1915 438 1993">  </div>	



13- Electrical Commissioning

System ID	030-TE-002
System Description	Closed Circuit Television System
<div data-bbox="1117 1937 1388 2016"> Enppi PETROJET</div> <div data-bbox="518 1926 1013 1982">Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div> <div data-bbox="239 1904 438 1982"></div>	



13.01- Electrical -Commissioning Check Lists

System ID		030-TE-002
System Description		Closed Circuit Television System
 Enppi PETROJET		
Project: 01Z51-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)		
		



13.02- Electrical Supplier Check Lists & Reports

System ID	030-TE-002
System Description	Closed Circuit Television System
<div data-bbox="1107 1935 1385 2018">  Enppi PETROJET </div> <div data-bbox="512 1921 1011 1984"> Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA) </div> <div data-bbox="236 1899 432 1984">  </div>	

14- Red Marked-up Drawings


	
Project: 01251-100 CRUDE OIL TANK FARM PROJECT (AGROOD AREA)	
	
System ID	030-TE-002
System Description	Closed Circuit Television System

14.01- P&ID

System ID		030-TE-002
System Description		Closed Circuit Television System
		
Project: 01251-100		
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)		
		


14.02- Instrumentation Drawings

System ID	030-TE-002
System Description	Closed Circuit Television System





Enppi
PETROJET

Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



14.03- Electrical Drawings

System ID	030-TE-002
System Description	Closed Circuit Television System
<div> <div>  <div> <div>Enppi</div> <div>پترو جيت</div> </div> </div> <div> <div> <div>Project: 01251-100</div> <div>CRUDE OIL TANK FARM PROJECT (AGROOD AREA)</div> </div> <div>  </div> </div> </div>	